Task Oriented Practice
(TOP)

4ESS™ SWITCH

1B PROCESSOR CONVERSION SWITCH UNIT (PUB, AUB, GCP, SSD) TROUBLE CLEARING

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No acceptance test procedures are required for the 1B conversion unit. Readiness of unit to become part of working system was established by successful completion of installation handbook test procedures and related Task Oriented Practices (TOPs).

ACCEPTANCE

1. If conversion switch is source of trouble after analysis, refer to TAP-107 thru TAP-110 to isolate failing TN1808 circuit pack

2. Verify that particular bus or unit failing is Out-of-Service (OOS) with respect to the 1A Processor. (If not, remove the particular unit from service)

3. At front panel of TN1808 circuit pack (Step 1), set ON/OFF slide switch to OFF position

4. Using a wrist strap, unlatch lever assembly from front faceplate of TN1808 circuit pack and remove circuit pack from housing

5. Remove the TN1808 circuit pack from the spare location in that switch unit

6. At front panel of the TN1808 circuit pack, set ON/OFF slide switch to OFF position

7. Replace TN1808 circuit pack in unit while securing lever assembly into unit frame

8. At front panel of TN1808 circuit pack (Step 1), set ON/OFF slide switch to ON position

9. Verify that switch unit repaired is set to 1A position via Indicator/Remote Control (I/RC) Unit by switching I/RC Unit from 1A position to 1B position, then switch back to 1A position

10. Return to procedure where failure occurred (Step 2) and repeat test during stand-alone or 1B processor limited access testing

11. Tag and return (Fault Tag) failing TN1808 circuit pack to factory for repair and get replacement. (Make sure office does not run out of spares)

REMOVE TN1808 CIRCUIT PACK FROM CONVERSION SWITCH UNITS DURING PRE-RETROFIT

1. If conversion switch is source of trouble after analysis, refer to TAP-107 thru TAP-110 to isolate failing TN1808 circuit pack

2. Verify that particular bus or unit failing is OOS with respect to the 1B Processor. (If not, remove the particular unit from service)

3. At front panel of TN1808 circuit pack (Step 1), set ON/OFF slide switch to OFF position

4. Using a wrist strap, unlatch lever assembly from front faceplate of TN1808 circuit pack and remove circuit pack from housing

5. Remove the TN1808 circuit pack from the spare location in that switch unit

6. At front panel of the TN1808 circuit pack, set ON/OFF slide switch to OFF position

7. Replace TN1808 circuit pack in unit while securing lever assembly into unit frame

8. At front panel of TN1808 circuit pack, set ON/OFF slide switch to ON position

9. Return to procedure where failure occurred (Step 2) and repeat if appropriate

10. Tag and return (Fault Tag) failing TN1808 circuit pack to factory for repair and get replacement. (Make sure office does not run out of spares)

REMOVE TN1808 CIRCUIT PACK FROM CONVERSION SWITCH UNITS DURING POST-RETROFIT

1. Verify that the power LED is lit. (If LED is not lit, check power connections to 1A CC0 and CC1 fuse locations. Verify fuses are good; if not, then replace and reverify power LED is lit.)

2. Verify 5 volts across GCP connectors. Verify that CC0 and CC1 (2 by 10) cables are inserted into proper locations in CC0 and CC1 as follows:

	EQL
CC0	076-053-310
CC0	080-053-310
CC1	076-053-310
CC1	080-053-310

3. Verify which CC is standby. Observe Master Control Console (MCC) display.

4. At 1A TTY Maintenance Terminal, enter **INH:ONEB!** Verify that **"SET"** LED on the GCP Capture and Remote Recovery Unit is lit. Verify that the continuity across the GCP-TRIGGER-OUT connector is less than 10 ohms.

5. At 1A TTY Maintenance Terminal, enter **ALW:ONEB!** Verify that **"SET"** LED on the GCP Capture and Remote Recovery Unit is not lit. Verify that the continuity across the GCP-TRIGGER-OUT connector is greater than 10,000,000 ohms.

6. At the Indicator/Remote Control Unit GCP Capture Input Binding post, verify that the continuity is greater than 10,000,000 ohms.

7. At 1A TTY Maintenance Terminal, switch CC's with **SW:CC!**

8. Verify previous standby CC is now active CC. Observe MCC display.

9. At 1A TTY Maintenance Terminal, enter **INH:ONEB!** Verify that **"SET"** LED on the GCP Capture and Remote Recovery Unit is lit. Verify that the continuity across the GCP-TRIGGER-OUT connector is less than 10 ohms.

10. At the Indicator/Remote Control Unit GCP Capture Input Binding post, verify that the continuity is less than 10 ohms.

11. At 1A TTY Maintenance Terminal, enter **ALW:ONEB!** Verify that **"SET"** LED on the GCP Capture and Remote Recovery Unit is not lit. Verify that the continuity across the GCP-TRIGGER-OUT connector is greater than 10,000,000 ohms.

12. At the Indicator/Remote Control Unit GCP Capture Input Binding post, verify that the continuity is greater than 10,000,000 ohms.

13. If after completing this procedure the GCP Capture and Recovery Unit still fails, return it to the factory for repair and get replacement before continuing with retrofit procedures.

14. If any tests fail (Steps 4, 6, 10, 12), return unit to factory for repair.

15. If any tests fail (Steps 5, 7, 11, 13) verify cable continuity.

(Note: All testing of GCP unit should be done at I/RC unit)

TROUBLESHOOTING PROCEDURES FOR GCP CAPTURE AND RECOVERY UNIT

1. In the event that an LED indicator on the Indicator/ Remote Control Unit (TABLE A) does not light that is associated with a switch, the following procedure should be used:

   A. Verify that all LEDs are operational by enabling the **LAMP TEST** switch. (Unequipped IO/IOP connection will not illuminate)

   B. Verify that all switches on the circuit packs are in either the 1A or 1B position in each switch unit. If all do not switch to either 1A or 1B position, manually turn any that did not switch. If they still don't switch, verify that fuse has not blown.

   C. Verify minus -48V on switch unit that is failing.

   D. Verify that the control cable for the specific switch unit is connected at the proper connector at the Indicator/Remote Control Unit and the proper EQL at the switch unit (Indicator should be on cable). Verify connector that was inserted into the backplane of the switch unit (TABLE B).

   E. If LEDs still don't light after replacing the above cards, replace I/RC by turning off all conversion switches and then power down GCP Capture Remote and Recovery unit, Remote New I/RC unit, and plug in cables.

   F. LEDs are powered from each switch unit separately as below:

LED INDICATORS FOR	POWER SUPPLIED AT CIRCUIT PACK LOCATION	SWITCH UNIT
AU0	EQL 04-008	AU0
AU1	04-008	AU1
PU0	04-008	PU0
PU1	04-008	PU1
SSD	04-008	SSD
NCLK0, NCLK1 (On CC0 and CC1)	04-018	CC0 or CC1
SP0/1 C0, SP0/1 C1	04-038	CC0 or CC1
EXTENDED POLLABLE INDICATORS	04-008	CC0 or CC1
IOP0-0	04-048	CC0 or CC1
IOP0-1	04-058	CC0 or CC1
IOP1-2	04-068	CC0 or CC1
IOP1-3	04-078	CC0 or CC1
IOP2-4	04-088	CC0 or CC1
IOP2-5	04-098	CC0 or CC1
I/O 0-0, I/O 0-1	04-108	CC0 or CC1
I/O 1-2, I/O 1-3	04-118	CC0 or CC1
I/O 2-4, I/O 2-5	04-128	CC0 or CC1
I/O 3-6, I/O 3-7	04-138	CC0 or CC1
I/O 4-8, I/O 4-9	04-149	CC0 or CC1
I/O 5-10, I/O 5-11	04-158	CC0 or CC1

NOTE: If IOP3 is present, IOP1-2 is IOP3-6; IOP1-3 is IOP3-7.

TABLE A
Indicator/Remote Control Unit

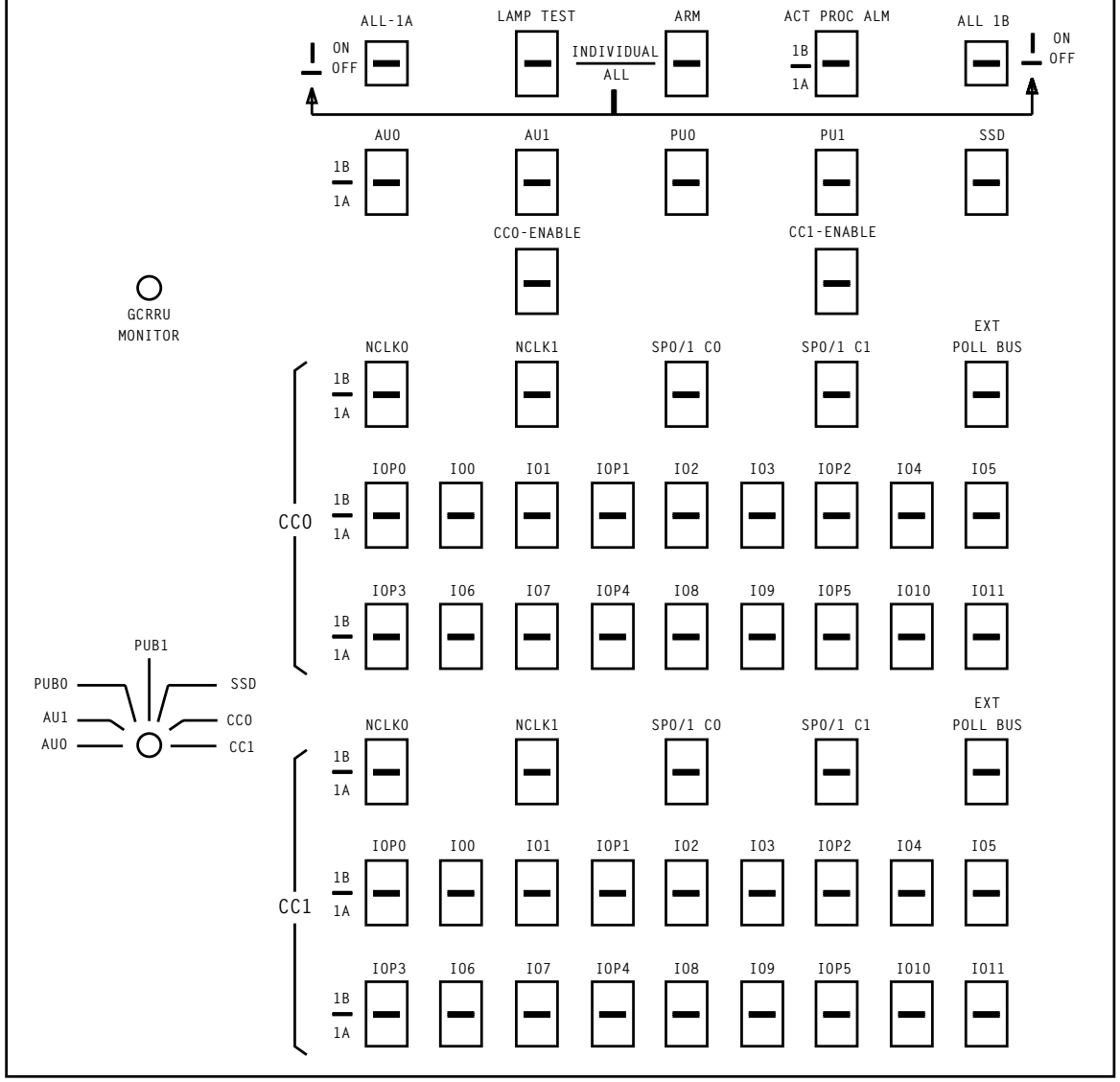
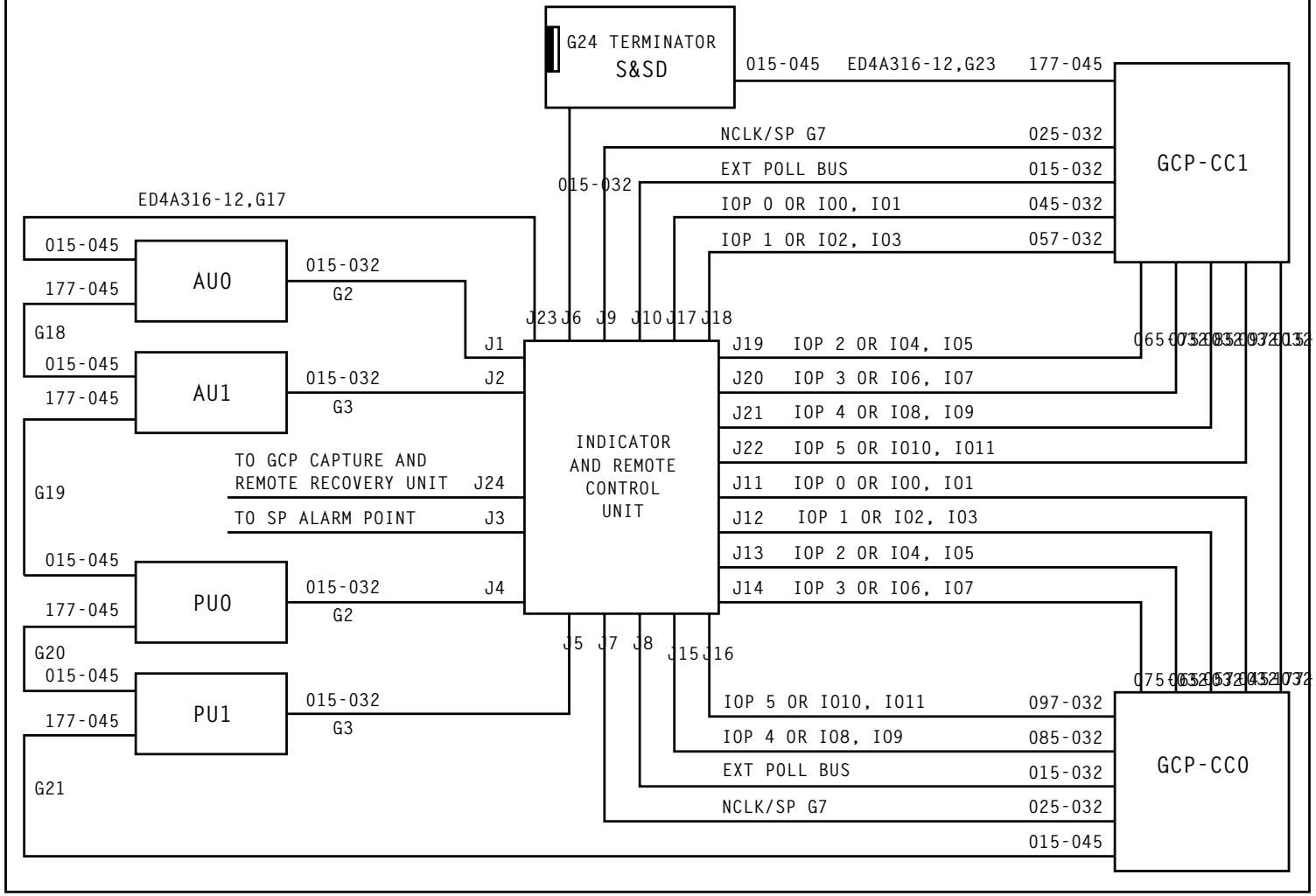


TABLE B

CONTROL AND INTERLOCK CABLE MAP



G. TABLE A illustrates the relationship between the Switch Units and their control cables and their locations on the Indicator/Remote Control Unit and respective switch unit backplane

TABLE C

SWITCH ON I/RC UNIT	SWITCH UNIT	CABLE TO I/RC (J#)	PLUG-IN EQL	SWITCH ON I/RC UNIT	SWITCH UNIT	CABLE TO I/RC (J#)	PLUG-IN EQL
AU0	AU0	J1	015-032	IO10	CC0	J16	097-032
AU1	AU1	J2	015-032	IO11	CC0	J16	097-032
PU0	PU0	J4	015-032	NCLK0	CC1	J9	025-032
PU1	PU1	J5	015-032	NCLK1	CC1	J9	025-032
SSD	SSD	J6	015-032	SP0&1/C0	CC1	J9	025-032
NCLK0	CC0	J7	025-032	SP0&1/C1	CC1	J9	025-032
NCLK1	CC0	J7	025-032	EXT POLL BUS	CC1	J10	015-032
SP0&1/C0	CC0	J7	025-032	IOP0	CC1	J17	045-032
SP0&1/C1	CC0	J7	025-032	IO0	CC1	J17	045-032
EXT POLL BUS	CC0	J8	015-032	IO1	CC1	J17	045-032
IOP0	CC0	J11	045-032	IOP1	CC1	J18	057-032
IO0	CC0	J11	045-032	IO2	CC1	J18	057-032
IO1	CC0	J11	045-032	IO3	CC1	J18	057-032
IOP1	CC0	J12	057-032	IOP2	CC1	J19	065-032
IO2	CC0	J12	057-032	IO4	CC1	J19	065-032
IO3	CC0	J12	057-032	IO5	CC1	J19	065-032
IOP2	CC0	J13	065-032	IOP3	CC1	J20	075-032
IO4	CC0	J13	065-032	IO6	CC1	J20	075-032
IO5	CC0	J13	065-032	IO7	CC1	J20	075-032
IOP3	CC0	J14	075-032	IOP4	CC1	J21	085-032
IO6	CC0	J14	075-032	IO8	CC1	J21	085-032
IO7	CC0	J14	075-032	IO9	CC1	J21	085-032
IOP4	CC0	J15	085-032	IOP5	CC1	J22	097-032
IO8	CC0	J15	085-032	IO10	CC1	J22	097-032
IO9	CC0	J15	085-032	IO11	CC1	J22	097-032
IOP5	CC0	J16	097-032				

NOTE: If IOP3 is present IOP1 is IOP3; IO2 is IO6; IO3 is IO7.

H. If a circuit pack is failing in the Switch Unit, follow the procedure for replacing the circuit pack (TAP-102 and TAP-103).

2. If a switch unit or a circuit pack within the switch unit will not switch to the 1B position, perform the following:

   A. Verify that the proper procedure was followed to switch the unit from the Remote/Indicator Control Unit.

   B. Verify that the control cable for the specific unit is connected at the proper connector at the Indicator/Remote Control Unit and the proper EQL at the switch unit. Also verify the proper polarity of the connector that was inserted into the backplane of the switch unit. (Unequipped IO/IOP connections will not illuminate.)

   C. Verify that the Interlock cable is connected from the Indicator/Remote Control Unit to the proper switch unit, and that the daisy chain of this cable is followed. Also verify that the loop around paddle board is present in the SSD switch unit.

   D. Verify that all slide switches on the front panel of the circuit packs in the switch units are in the ON position. Table C shows 1A Jumpers proper position.

   E. Visually inspect all circuit packs in all switch units for their indication via the switch knob pointers in the 1A postion. If a circuit pack fails to switch position, follow the procedure for replacing the specific circuit pack (TAP-102 and TAP-103).

3. If a switch unit or a circuit pack within the switch unit will not switch to the 1A position, verify the following:

   A. Verify that the proper procedure was followed to switch the unit from the Indicator/Remote Control Unit.

   B. Verify that the control cable for the specific unit switch unit is connected at the proper connector at the Indicator/Remote Control Unit and the proper EQL at the switch unit. Also verify the proper polarity of the connector that was inserted into the backplane of the switch unit. (Unequipped IO/IOP connections will not illuminate.)

   C. Verify that all slide switches on the front panel of the circuit packs in the switch units are in the ON position.

   D. Visually inspect all circuit packs in the switch unit for their indication via the switch knob pointers in the 1B position. If a circuit pack fails to switch position, follow the procedure for replacing the specific circuit pack (TAP-102 and TAP-103).

4. If the GCP capture unit is in the set state and the switch units are not returning to the 1A position, refer to TAP-104.

TABLE C

963E-2 LOCATIONS (JUMPERS)

SWITCH BOX	J NUMBER
AU0	4,7,11,15,18
AU1	4,7,11,15,19
PU0	3,4,6,7,12,15
PU1	1,2,5,8,11,16
CC0	2,7,10,11,14,15
CC1	4,8,9,12,13,16
SSD	4,7,11,15,17

5. If the ACT PROC ALM fails to indicate a fault, verify the following:

   A. Verify that the control cables for all switch units are connected at the proper connector at the Indicator/Remote Control Unit and the proper EQL at the switch unit. Also verify the proper polarity of the connector that was inserted into the backplane of the switch unit. (Unequipped IO/IOP connections will not illuminate.)

   B. Verify that the ACT PROC ALM switch is in the proper position for 1A (pre-retrofit) or 1B (post-retrofit).

   C. Verify the connection of the paired cable from the Indicator/Remote Control Unit (J3) to the alarm grid is connected. Verify that SP points and messages have been assigned.

6. If the ALL-1A or ALL 1-B function fails, verify the following:

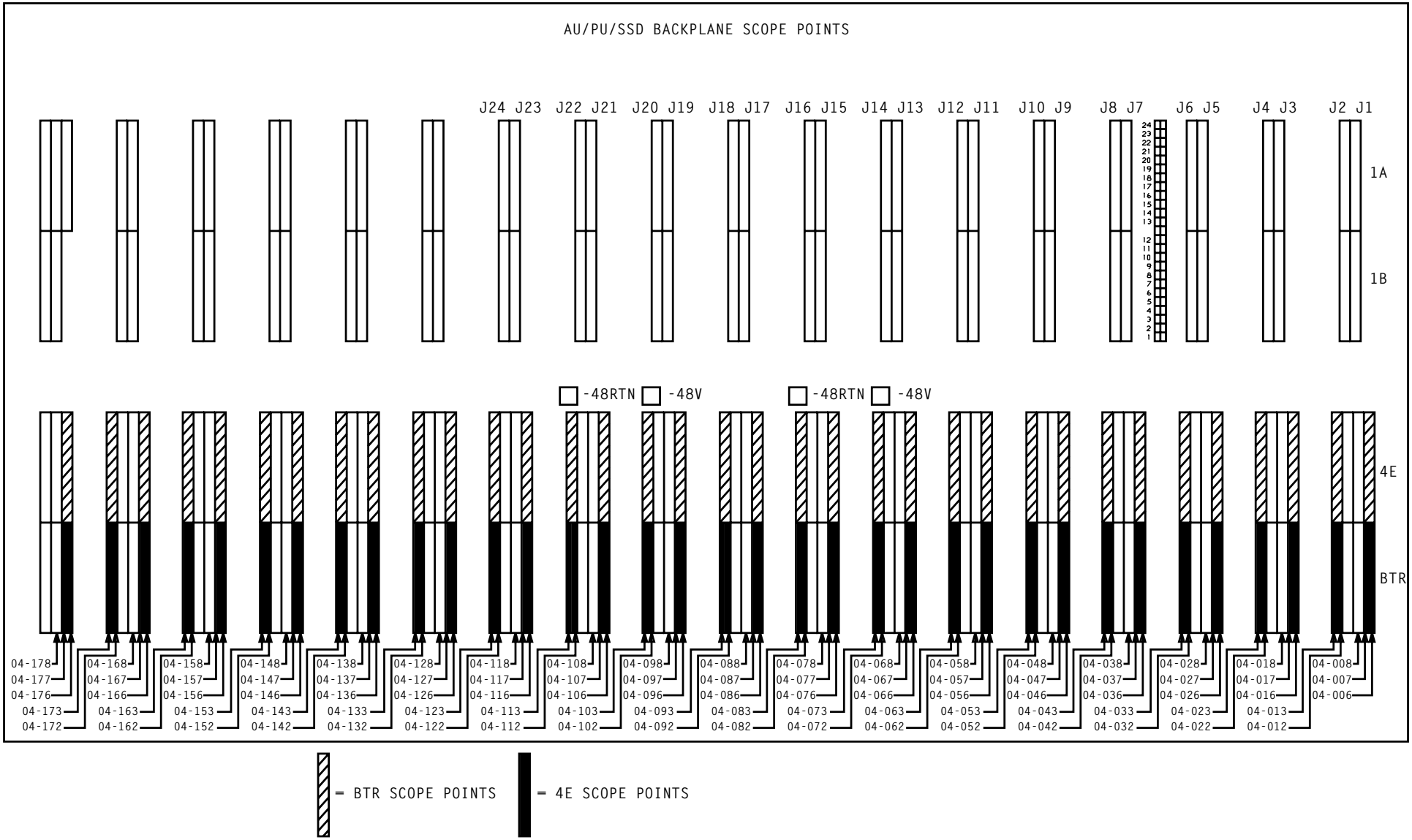
   A. Verify that the proper procedure was followed to switch units from the Indicator/Remote Control Unit.

   B. Verify that the control cables for all switch units are connected at the proper connector at the Indicator/Remote Control Unit and the proper EQL at the switch unit. Also verify the proper polarity of the connector that was inserted into the backplane of the switch unit. (Unequipped IO/IOP connections will not illuminate.)

7. If the failure cannot be repaired by following the specific test above, return the failing unit to the factory for repair. (Retrofit procedures cannot continue until replacement is received.)

NOTE: To verify a new unit refer to installation procedures for the I/RC/unit.

8. If I/RC unit is stand-alone in 1B, replace unit by removing fuses, unplug cables, and put in new unit.



BUS/SIGNAL TO CONVERSION SWITCH – SCOPE POINTS

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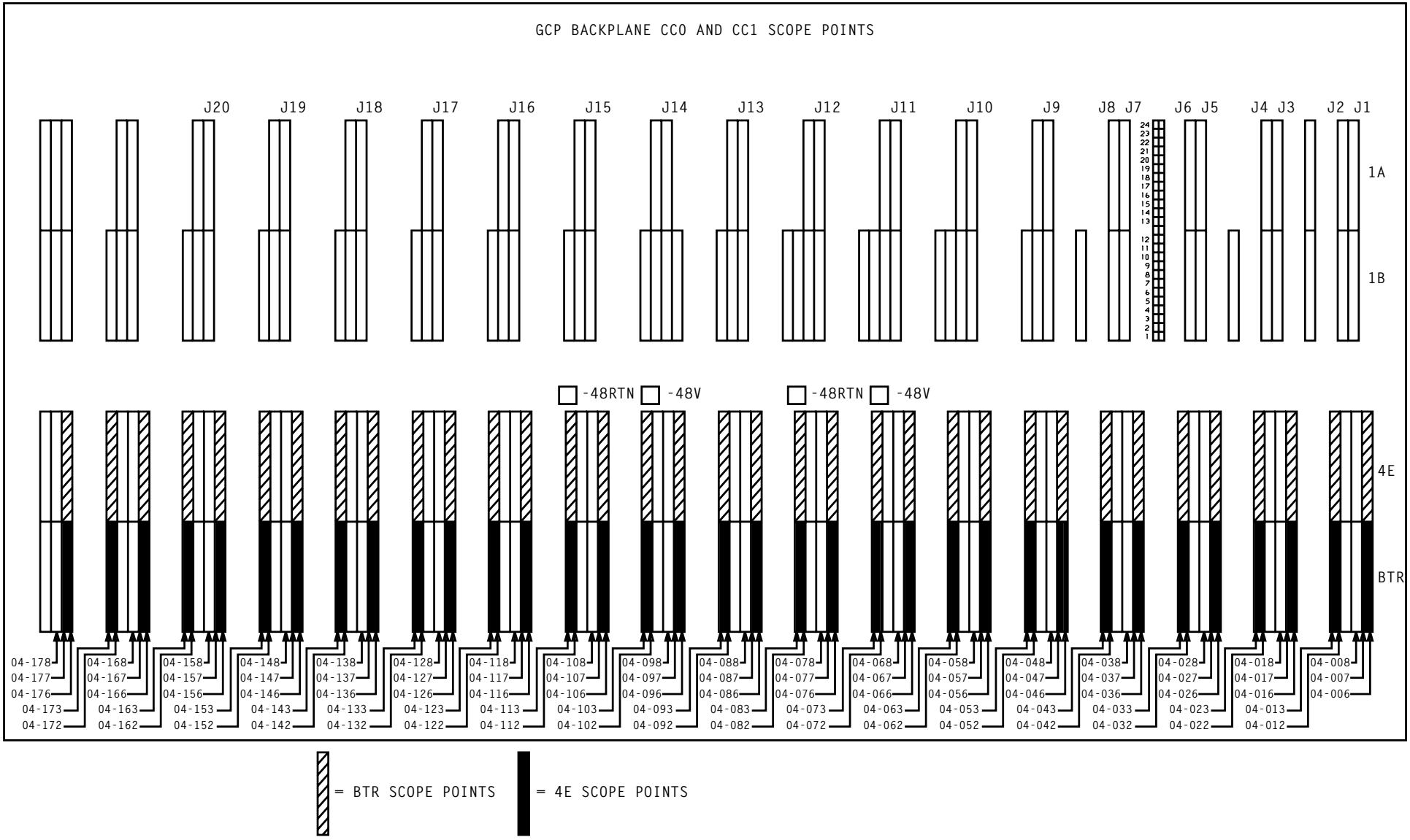

BUS/SIGNAL TO CONVERSION SWITCH — SCOPE POINTS

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BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	PUB X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-008-032	04-008-047	04-008-015	04-008-000	04-006-015	04-008
XPUW00P	033	048	016	001	016	
01	034	049	017	002	017	
02	035	050	018	003	018	
03	036	051	019	004	019	
04	037	052	020	005	020	
05	038	053	021	006	021	
06	039	054	022	007	022	
XPUW07P	040	055	023	008	023	
	041	056	024	009	024	
	04-008-132	04-008-147	04-008-115	04-008-100	04-007-015	
XPUW00N	133	148	116	101	016	
01	134	149	117	102	017	
02	135	150	118	103	018	
03	136	151	119	104	019	
04	137	152	120	105	020	
05	138	153	121	106	021	
06	139	154	122	107	022	
XPUW07N	140	155	123	108	023	
	141	156	124	109	024	
	04-008-232	04-008-247	04-008-215	04-008-200	04-012-015	04-008
XPUW08P	233	248	216	201	016	
09	234	249	217	202	017	
10	235	250	218	203	018	
11	236	251	219	204	019	
12	237	252	220	205	020	
13	238	253	221	206	021	
14	239	254	222	207	022	
XPUW15P	240	255	223	208	023	
	241	256	224	209	024	

PU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	PUB X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-008-332	04-008-347	04-008-315	04-008-300	04-013-015	
XPUW08N	333	348	316	301	016	
09	334	349	317	302	017	
10	335	350	318	303	018	
11	336	351	319	304	019	
12	337	352	320	305	020	
13	338	353	321	306	021	
14	339	354	322	307	022	
XPUW15N	340	355	323	308	023	
	341	356	324	309	024	
	04-018-032	04-018-047	04-018-015	04-018-000	04-016-015	04-008
XPUW16P	033	048	016	001	016	
17	034	049	017	002	017	
18	035	050	018	003	018	
19	036	051	019	004	019	
20	037	052	020	005	020	
21	038	053	021	006	021	
22	039	054	022	007	022	
XPUW23P	040	055	023	008	023	
	041	056	024	009	024	
	04-018-132	04-018-147	04-018-115	04-018-100	04-017-015	
XPUW16N	133	148	116	101	016	
17	134	149	117	102	017	
18	135	150	118	103	018	
19	136	151	119	104	019	
20	137	152	120	105	020	
21	138	153	121	106	021	
22	139	154	122	107	022	
XPUW23N	140	155	123	108	023	
	141	156	124	109	024	

PU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	PUB X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-018-232	04-018-247	04-018-215	04-018-200	04-022-015	04-008
XPUW24P	233	248	216	201	016	
25	234	249	217	202	017	
26	235	250	218	203	018	
27	236	251	219	204	019	
28	237	252	220	205	020	
29	238	253	221	206	021	
30	239	254	222	207	022	
XPUW31P	240	255	223	208	023	
	241	256	224	209	024	
	04-018-332	04-018-347	04-018-315	04-018-300	04-023-015	
XPUW24N	333	348	316	301	016	
25	334	349	317	302	017	
26	335	350	318	303	018	
27	336	351	319	304	019	
28	337	352	320	305	020	
29	338	353	321	306	021	
30	339	354	322	307	022	
XPUW31N	340	355	323	308	023	
	341	356	324	309	024	
	04-028-032	04-028-047	04-028-015	04-028-000	04-026-015	04-008
XPUW32P	033	048	016	001	016	
33	034	049	017	002	017	
34	035	050	018	003	018	
35	036	051	019	004	019	
36	037	052	020	005	020	
XPUW37P	038	053	021	006	021	
XPUPODP	039	054	022	007	022	
XPUPEVP	040	055	023	008	023	
	041	056	024	009	024	

PU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	PUB X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-028-132	04-028-147	04-028-115	04-028-100	04-027-015	
XPUW32N	133	148	116	101	016	
33	134	149	117	102	017	
34	135	150	118	103	018	
35	136	151	119	104	019	
36	137	152	120	105	020	
XPUW37N	138	153	121	106	021	
XPUPODN	139	154	122	107	022	
XPUPEVN	140	155	123	108	023	
	141	156	124	109	024	
	04-028-232	04-028-247	04-028-215	04-028-200	04-032-015	04-008
XMIP	233	248	216	201	016	
GIP	234	249	217	202	017	
XCLKIP	235	250	218	203	018	
XPHPP	236	251	219	204	019	
XPLPP	237	252	220	205	020	
XPSZP	238	253	221	206	021	
XPDGP	239	254	222	207	022	
XPIOP	240	255	223	208	023	
	241	256	224	209	024	
	04-028-332	04-028-347	04-028-315	04-028-300	04-033-015	
XMIN	333	348	316	301	016	
XGIN	334	349	317	302	017	
XPKIN	335	350	318	303	018	
XPHPN	336	351	319	304	019	
XPLPN	337	352	320	305	020	
XPSZN	338	353	321	306	021	
XPDGN	339	354	322	307	022	
XPION	340	355	323	308	023	
	341	356	324	309	024	

PU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	PUB X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-038-032	04-038-047	04-038-015	04-038-000	04-036-015	04-008
XEA00P 01 02 03 04 05 06 XEA07P	033	048	016	001	016	
	034	049	017	002	017	
	035	050	018	003	018	
	036	051	019	004	019	
	037	052	020	005	020	
	038	053	021	006	021	
	039	054	022	007	022	
	040	055	023	008	023	
	041	056	024	009	024	
	04-038-132	04-038-147	04-038-115	04-038-100	04-037-015	
XEA00N 01 02 03 04 05 06 XEA07N	133	148	116	101	016	
	134	149	117	102	017	
	135	150	118	103	018	
	136	151	119	104	019	
	137	152	120	105	020	
	138	153	121	106	021	
	139	154	122	107	022	
	140	155	123	108	023	
	141	156	124	109	024	
	04-038-232	04-038-247	04-038-215	04-038-200	04-042-015	04-008
XEA08P 09 10 11 XEA12N XPUSYCN XIOCHN XIOCLN	233	248	216	201	016	
	234	249	217	202	017	
	235	250	218	203	018	
	236	251	219	204	019	
	237	252	220	205	020	
	238	253	221	206	021	
	239	254	222	207	022	
	240	255	223	208	023	
	241	256	224	209	024	

PU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	PUB X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-038-332	04-038-347	04-038-315	04-038-300	04-043-015	04-008
XEA08N	333	348	316	301	016	
09N	334	349	317	302	017	
10N	335	350	318	303	018	
11N	336	351	319	304	019	
XEA12N	337	352	320	305	020	
XPUSYCN	338	353	321	306	021	
XIOCHN	339	354	322	307	022	
XIOCLN	340	355	323	308	023	
	341	356	324	309	024	
	04-048-032	04-048-047	04-048-015	04-048-000	04-046-015	04-008
XPUR00P	033	048	016	001	016	
01P	034	049	017	002	017	
02P	035	050	018	003	018	
03P	036	051	019	004	019	
04P	037	052	020	005	020	
05P	038	053	021	006	021	
06P	039	054	022	007	022	
XPUR07P	040	055	023	008	023	
	041	056	024	009	024	
	04-048-132	04-048-147	04-048-115	04-048-100	04-047-015	
XPUR00N	133	148	116	101	016	
01N	134	149	117	102	017	
02N	135	150	118	103	018	
03N	136	151	119	104	019	
04N	137	152	120	105	020	
05N	138	153	121	106	021	
06N	139	154	122	107	022	
XPUR07N	140	155	123	108	023	
	141	156	124	109	024	

PU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	PUB X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-048-232	04-048-247	04-048-215	04-048-200	04-052-015	04-008
XPUR08P	233	248	216	201	016	
09P	234	249	217	202	017	
10P	235	250	218	203	018	
11P	236	251	219	204	019	
12P	237	252	220	205	020	
13P	238	253	221	206	021	
14P	239	254	222	207	022	
XPUR15P	240	255	223	208	023	
	241	256	224	209	024	
	04-048-332	04-048-347	04-048-315	04-048-300	04-053-015	
XPUR08N	333	348	316	301	016	
09N	334	349	317	302	017	
10N	335	350	318	303	018	
11N	336	351	319	304	019	
12N	337	352	320	305	020	
13N	338	353	321	306	021	
14N	339	354	322	307	022	
XPUR15N	340	355	323	308	023	
	341	356	324	309	024	
	04-058-032	04-058-047	04-058-015	04-058-000	04-056-015	04-008
XPUR16P	033	048	016	001	016	
17P	034	049	017	002	017	
18P	035	050	018	003	018	
19P	036	051	019	004	019	
20P	037	052	020	005	020	
21P	038	053	021	006	021	
22P	039	054	022	007	022	
XPUR23P	040	055	023	008	023	
	041	056	024	009	024	

PU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	PUB X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-058-132	04-058-147	04-058-115	04-058-100	04-057-015	
XPUR16N	133	148	116	101	016	
17N	134	149	117	102	017	
18N	135	150	118	103	018	
19N	136	151	119	104	019	
20N	137	152	120	105	020	
21N	138	153	121	106	021	
22N	139	154	122	107	022	
XPUR23N	140	155	123	108	023	
	141	156	124	109	024	
	04-058-232	04-058-247	04-058-215	04-058-200	04-062-015	04-008
XPUASWP	233	248	216	201	016	
XPURPP	234	249	217	202	017	
XPUFP	235	250	218	203	018	
XPUTP	236	251	219	204	019	
XPUBP	237	252	220	205	020	
XPUPCRP	238	253	221	206	021	
SPARE	239	254	222	207	022	
SPARE	240	255	223	208	023	
	241	256	224	209	024	
	04-058-332	04-058-347	04-058-315	04-058-300	04-063-015	
XPUASWN	333	348	316	301	016	
XPURPN	334	349	317	302	017	
XPUFN	335	350	318	303	018	
XPUTN	336	351	319	304	019	
XPUBN	337	352	320	305	020	
XPUPCRN	338	353	321	306	021	
SPARE	339	354	322	307	022	
SPARE	340	355	323	308	023	
	341	356	324	309	024	

PU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	PUB X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-068-032	04-068-047	04-068-015	04-068-000	04-066-015	04-008
XPPU038P	033	048	016	001	016	
XPPU039P	034	049	017	002	017	
XPPU040P	035	050	018	003	018	
XPPU041P	036	051	019	004	019	
	037	052	020	005	020	
	038	053	021	006	021	
	039	054	022	007	022	
	040	055	023	008	023	
	041	056	024	009	024	
	04-068-132	04-068-147	04-068-115	04-068-100	04-067-015	
XPPU038N	133	148	116	101	016	
039N	134	149	117	102	017	
040N	135	150	118	103	018	
XPPU041N	136	151	119	104	019	
	137	152	120	105	020	
	138	153	121	106	021	
	139	154	122	107	022	
	140	155	123	108	023	
	141	156	124	109	024	
	04-068-232	04-068-247	04-068-215	04-068-200	04-072-015	04-008
XPPU038P	233	248	216	201	016	
039P	234	249	217	202	017	
040P	235	250	218	203	018	
XPPU041P	236	251	219	204	019	
	237	252	220	205	020	
	238	253	221	206	021	
	239	254	222	207	022	
	240	255	223	208	023	
	241	256	224	209	024	

PU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	PUB X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-068-332	04-068-347	04-068-315	04-068-300	04-073-015	
XPPU038N	333	348	316	301	016	
039N	334	349	317	302	017	
040N	335	350	318	303	018	
XPPU041N	336	351	319	304	019	
	337	352	320	305	020	
	338	353	321	306	021	
	339	354	322	307	022	
	340	355	323	308	023	
	341	356	324	309	024	
	04-078-032	04-078-047	04-078-015	04-078-000	04-076-015	04-008
XPPU046P	033	048	016	001	016	
XPPU047P	034	049	017	002	017	
	035	050	018	003	018	
	036	051	019	004	019	
	037	052	020	005	020	
	038	053	021	006	021	
	039	054	022	007	022	
	040	055	023	008	023	
	041	056	024	009	024	
	04-078-132	04-078-147	04-078-115	04-078-100	04-077-015	
XPPU046N	133	148	116	101	016	
XPPU047N	134	149	117	102	017	
	135	150	118	103	018	
	136	151	119	104	019	
	137	152	120	105	020	
	138	153	121	106	021	
	139	154	122	107	022	
	140	155	123	108	023	
	141	156	124	109	024	

PU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	PUB X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-078-232	04-078-247	04-078-215	04-078-200	04-082-015	04-008
XPPU046P XPPU047P	233	248	216	201	016	
	234	249	217	202	017	
	235	250	218	203	018	
	236	251	219	204	019	
	237	252	220	205	020	
	238	253	221	206	021	
	239	254	222	207	022	
	240	255	223	208	023	
	241	256	224	209	024	
	04-078-332	04-078-347	04-078-315	04-078-300	04-083-015	
XPPU046N XPPU047N	333	348	316	301	016	
	334	349	317	302	017	
	335	350	318	303	018	
	336	351	319	304	019	
	337	352	320	305	020	
	338	353	321	306	021	
	339	354	322	307	022	
	340	355	323	308	023	
	341	356	324	309	024	
	04-088-032	04-088-047	04-088-015	04-088-000	04-086-015	04-008
XPPU050P XPPU051P	033	048	016	001	016	
	034	049	017	002	017	
	035	050	018	003	018	
	036	051	019	004	019	
	037	052	020	005	020	
	038	053	021	006	021	
	039	054	022	007	022	
	040	055	023	008	023	
	041	056	024	009	024	

PU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	PUB X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-088-132	04-088-147	04-088-115	04-088-100	04-087-015	
XPPU050N	133	148	116	101	016	
XPPU051N	134	149	117	102	017	
	135	150	118	103	018	
	136	151	119	104	019	
	137	152	120	105	020	
	138	153	121	106	021	
	139	154	122	107	022	
	140	155	123	108	023	
	141	156	124	109	024	
	04-088-232	04-088-247	04-088-215	04-088-200	04-092-015	04-008
XPPU050P	233	248	216	201	016	
XPPU051P	234	249	217	202	017	
	235	250	218	203	018	
	236	251	219	204	019	
	237	252	220	205	020	
	238	253	221	206	021	
	239	254	222	207	022	
	240	255	223	208	023	
	241	256	224	209	024	
	04-088-332	04-088-347	04-088-315	04-088-300	04-093-015	
XPPU050N	333	348	316	301	016	
XPPU051N	334	349	317	302	017	
	335	350	318	303	018	
	336	351	319	304	019	
	337	352	320	305	020	
	338	353	321	306	021	
	339	354	322	307	022	
	340	355	323	308	023	
	341	356	324	309	024	

PU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	PUB X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-098-032	04-098-047	04-098-015	04-098-000	04-096-015	04-008
XPPU054P XPPU055P	033	048	016	001	016	
	034	049	017	002	017	
	035	050	018	003	018	
	036	051	019	004	019	
	037	052	020	005	020	
	038	053	021	006	021	
	039	054	022	007	022	
	040	055	023	008	023	
	041	056	024	009	024	
	04-098-132	04-098-147	04-098-115	04-098-100	04-097-015	
XPPU054N XPPU055N	133	148	116	101	016	
	134	149	117	102	017	
	135	150	118	103	018	
	136	151	119	104	019	
	137	152	120	105	020	
	138	153	121	106	021	
	139	154	122	107	022	
	140	155	123	108	023	
	141	156	124	109	024	
	04-098-232	04-098-247	04-098-215	04-098-200	04-102-015	04-008
XPPU054P XPPU055P	233	248	216	201	016	
	234	249	217	202	017	
	235	250	218	203	018	
	236	251	219	204	019	
	237	252	220	205	020	
	238	253	221	206	021	
	239	254	222	207	022	
	240	255	223	208	023	
	241	256	224	209	024	

PU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	PUB X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-098-332	04-098-347	04-098-315	04-098-300	04-103-015	
XPPU054N XPPU055N	333	348	316	301	016	
	334	349	317	302	017	
	335	350	318	303	018	
	336	351	319	304	019	
	337	352	320	305	020	
	338	353	321	306	021	
	339	354	322	307	022	
	340	355	323	308	023	
	341	356	324	309	024	
	04-108-032	04-108-047	04-108-015	04-108-000	04-106-015	04-008
XPPU058P XPPU059P	033	048	016	001	016	
	034	049	017	002	017	
	035	050	018	003	018	
	036	051	019	004	019	
	037	052	020	005	020	
	038	053	021	006	021	
	039	054	022	007	022	
	040	055	023	008	023	
	041	056	024	009	024	
	04-108-132	04-108-147	04-108-115	04-108-100	04-107-015	
XPPU058N XPPU059N	133	148	116	101	016	
	134	149	117	102	017	
	135	150	118	103	018	
	136	151	119	104	019	
	137	152	120	105	020	
	138	153	121	106	021	
	139	154	122	107	022	
	140	155	123	108	023	
	141	156	124	109	024	

PU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	PUB X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-108-232	04-108-247	04-108-215	04-108-200	04-113-015	04-008
XPPU058P XPPU059P	233	248	216	201	016	
	234	249	217	202	017	
	235	250	218	203	018	
	236	251	219	204	019	
	237	252	220	205	020	
	238	253	221	206	021	
	239	254	222	207	022	
	240	255	223	208	023	
	241	256	224	209	024	
	04-108-332	04-108-347	04-108-315	04-108-300	04-113-015	
XPPU058N XPPU059N	333	348	316	301	016	
	334	349	317	302	017	
	335	350	318	303	018	
	336	351	319	304	019	
	337	352	320	305	020	
	338	353	321	306	021	
	339	354	322	307	022	
	340	355	323	308	023	
	341	356	324	309	024	
	04-118-032	04-118-047	04-118-015	04-118-000	04-116-015	04-008
XPPU094P XPPU095P	033	048	016	001	016	
	034	049	017	002	017	
	035	050	018	003	018	
	036	051	019	004	019	
	037	052	020	005	020	
	038	053	021	006	021	
	039	054	022	007	022	
	040	055	023	008	023	
	041	056	024	009	024	

PU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	PUB X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-118-132	04-118-147	04-118-115	04-118-100	04-122-015	
XPPU094N XPPU095N	133	148	116	101	016	
	134	149	117	102	017	
	135	150	118	103	018	
	136	151	119	104	019	
	137	152	120	105	020	
	138	153	121	106	021	
	139	154	122	107	022	
	140	155	123	108	023	
	141	156	124	109	024	
	04-118-232	04-118-247	04-118-215	04-118-200	04-122-015	04-008
XPPU094P XPPU095P	233	248	216	201	016	
	234	249	217	202	017	
	235	250	218	203	018	
	236	251	219	204	019	
	237	252	220	205	020	
	238	253	221	206	021	
	239	254	222	207	022	
	240	255	223	208	023	
	241	256	224	209	024	
	04-118-332	04-118-347	04-118-315	04-118-300	04-123-315	
XPPU094N XPPU095N	333	348	316	301	016	
	334	349	317	302	017	
	335	350	318	303	018	
	336	351	319	304	019	
	337	352	320	305	020	
	338	353	321	306	021	
	339	354	322	307	022	
	340	355	323	308	023	
	341	356	324	309	024	

PU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	AU X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-008-032	04-008-047	04-008-015	04-008-000	04-006-015	04-008
XAUA00P	033	048	016	001	016	
01P	034	049	017	002	017	
02P	035	050	018	003	018	
03P	036	051	019	004	019	
04P	037	052	020	005	020	
05P	038	053	021	006	021	
06P	039	054	022	007	022	
XAUA07P	040	055	023	008	023	
	041	056	024	009	024	
	04-008-132	04-008-147	04-008-115	04-008-100	04-007-015	
XAUA00N	133	148	116	101	016	
01N	134	149	117	102	017	
02N	135	150	118	103	018	
03N	136	151	119	104	019	
04N	137	152	120	105	020	
05N	138	153	121	106	021	
06N	139	154	122	107	022	
XAUA07N	140	155	123	108	023	
	141	156	124	109	024	
	04-008-232	04-008-247	04-008-215	04-008-200	04-012-015	04-008
XAUA08P	233	248	216	201	016	
09P	234	249	217	202	017	
10P	235	250	218	203	018	
11P	236	251	219	204	019	
12P	237	252	220	205	020	
13P	238	253	221	206	021	
14P	239	254	222	207	022	
XAUA15P	240	255	223	208	023	
	241	256	224	209	024	

AU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	AU X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-008-332	04-008-347	04-008-315	04-008-300	04-013-015	
XAUA08N	333	348	316	301	016	
09N	334	349	317	302	017	
10N	335	350	318	303	018	
11N	336	351	319	304	019	
12N	337	352	320	305	020	
13N	338	353	321	306	021	
14N	339	354	322	307	022	
XAUA15N	340	355	323	308	023	
	341	356	324	309	024	
	04-018-032	04-018-047	04-018-015	04-018-000	04-016-015	04-008
XAUARDP	033	048	016	001	016	
XAUAWRP	034	049	017	002	017	
XAUACTLP	035	050	018	003	018	
XAUAPKAP	036	051	019	004	019	
SPARE	037	052	020	005	020	
XAUASYNP	038	053	021	006	021	
SPARE	039	054	022	007	022	
SPARE	040	055	023	008	023	
	041	056	024	009	024	
	04-018-132	04-018-147	04-018-115	04-018-100	04-017-015	
XAUARDN	133	148	116	101	016	
XAUAWRN	134	149	117	102	017	
XAUACTLN	135	150	118	103	018	
XAUAPKAN	136	151	119	104	019	
SPARE	137	152	120	105	020	
XAUASYNN	138	153	121	106	021	
SPARE	139	154	122	107	022	
SPARE	140	155	123	108	023	
	141	156	124	109	024	

AU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	AU X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-018-232	04-018-247	04-018-215	04-018-200	04-022-015	04-008
XAUW00P	233	248	216	201	016	
01	234	249	217	202	017	
02	235	250	218	203	018	
03	236	251	219	204	019	
04	237	252	220	205	020	
05	238	253	221	206	021	
06	239	254	222	207	022	
XAUW07P	240	255	223	208	023	
	241	256	224	209	024	
	04-018-332	04-018-347	04-018-315	04-018-300	04-023-015	
XAUW00N	333	348	316	301	016	
01	334	349	317	302	017	
02	335	350	318	303	018	
03	336	351	319	304	019	
04	337	352	320	305	020	
05	338	353	321	306	021	
06	339	354	322	307	022	
XAUW07N	340	355	323	308	023	
	341	356	324	309	024	
	04-028-032	04-028-047	04-028-015	04-028-000	04-026-015	04-008
XAUW08P	033	048	016	001	016	
09	034	049	017	002	017	
10	035	050	018	003	018	
11	036	051	019	004	019	
12	037	052	020	005	020	
13	038	053	021	006	021	
14	039	054	022	007	022	
XAUW15P	040	055	023	008	023	
	041	056	024	009	024	

AU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	AU X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-028-132	04-028-147	04-028-115	04-028-100	04-027-015	
XAUW08N	133	148	116	101	016	
09	134	149	117	102	017	
10	135	150	118	103	018	
11	136	151	119	104	019	
12	137	152	120	105	020	
13	138	153	121	106	021	
14	139	154	122	107	022	
XAUW15N	140	155	123	108	023	
	141	156	124	109	024	
	04-028-232	04-028-247	04-028-215	04-028-200	04-032-015	04-008
XAUW16P	233	248	216	201	016	
17	234	249	217	202	017	
18	235	250	218	203	018	
19	236	251	219	204	019	
20	237	252	220	205	020	
21	238	253	221	206	021	
22	239	254	222	207	022	
XAUW23P	240	255	223	208	023	
	241	256	224	209	024	
	04-028-332	04-028-347	04-028-315	04-028-300	04-033-015	
XAUW16N	333	348	316	301	016	
17	334	349	317	302	017	
18	335	350	318	303	018	
19	336	351	319	304	019	
20	337	352	320	305	020	
21	338	353	321	306	021	
22	339	354	322	307	022	
XAUW23N	340	355	323	308	023	
	341	356	324	309	024	

AU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	AU X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-038-032	04-038-047	04-038-015	04-038-000	04-036-015	04-008
XAUWP2P	033	048	016	001	016	
XAUWP1P	034	049	017	002	017	
XAUWAWFP	035	050	018	003	018	
XAUWASWP	036	051	019	004	019	
SPARE	037	052	020	005	020	
SPARE	038	053	021	006	021	
SPARE	039	054	022	007	022	
SPARE	040	055	023	008	023	
	041	056	024	009	024	
	04-038-132	04-038-147	04-038-115	04-038-100	04-037-015	
XAUWP2N	133	148	116	101	016	
XAUWP1N	134	149	117	102	017	
XAUWAWFN	135	150	118	103	018	
XAUWASWN	136	151	119	104	019	
SPARE	137	152	120	105	020	
SPARE	138	153	121	106	021	
SPARE	139	154	122	107	022	
SPARE	140	155	123	108	023	
	141	156	124	109	024	
	04-038-232	04-038-247	04-038-215	04-038-200	04-042-015	04-008
SPARE	233	248	216	201	016	
SPARE	234	249	217	202	017	
SPARE	235	250	218	203	018	
SPARE	236	251	219	204	019	
SPARE	237	252	220	205	020	
SPARE	238	253	221	206	021	
AU00EVP	239	254	222	207	022	
AU00BRP	240	255	223	208	023	
SPARE	241	256	224	209	024	

AU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	AU X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-038-332	04-038-347	04-038-315	04-038-300	04-043-015	
SPARE	333	348	316	301	016	
SPARE	334	349	317	302	017	
SPARE	335	350	318	303	018	
SPARE	336	351	319	304	019	
SPARE	337	352	320	305	020	
AU00EVN	338	353	321	306	021	
AU00BRN	339	354	322	307	022	
SPARE	340	355	323	308	023	
	341	356	324	309	024	
	04-048-032	04-048-047	04-048-015	04-048-000	04-046-015	04-008
SPARE	033	048	016	001	016	
SPARE	034	049	017	002	017	
SPARE	035	050	018	003	018	
SPARE	036	051	019	004	019	
SPARE	037	052	020	005	020	
AU12EVP	038	053	021	006	021	
AU12BRP	039	054	022	007	022	
SPARE	040	055	023	008	023	
	041	056	024	009	024	
	04-048-132	04-048-147	04-048-115	04-048-100	04-047-015	
SPARE	133	148	116	101	016	
SPARE	134	149	117	102	017	
SPARE	135	150	118	103	018	
SPARE	136	151	119	104	019	
SPARE	137	152	120	105	020	
AU12EVP	138	153	121	106	021	
AU12BRP	139	154	122	107	022	
SPARE	140	155	123	108	023	
	141	156	124	109	024	

AU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	AU X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-048-232	04-048-247	04-048-215	04-048-200	04-052-015	04-008
XPUR08P	233	248	216	201	016	
09P	234	249	217	202	017	
10P	235	250	218	203	018	
11P	236	251	219	204	019	
12P	237	252	220	205	020	
13P	238	253	221	206	021	
14P	239	254	222	207	022	
XPUR15P	240	255	223	208	023	
	241	256	224	209	024	
	04-048-332	04-048-347	04-048-315	04-048-300	04-053-015	
XPUR08N	333	348	316	301	016	
09N	334	349	317	302	017	
10N	335	350	318	303	018	
11N	336	351	319	304	019	
12N	337	352	320	305	020	
13N	338	353	321	306	021	
14N	339	354	322	307	022	
XPUR15N	340	355	323	308	023	
	341	356	324	309	024	
	04-058-032	04-058-047	04-058-015	04-058-000	04-056-015	04-008
XPUR16P	033	048	016	001	016	
17P	034	049	017	002	017	
18P	035	050	018	003	018	
19P	036	051	019	004	019	
20P	037	052	020	005	020	
21P	038	053	021	006	021	
22P	039	054	022	007	022	
XPUR23P	040	055	023	008	023	
	041	056	024	009	024	

AU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	AU X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-058-132	04-058-147	04-058-115	04-058-100	04-057-015	
XAUR08N	133	148	116	101	016	
09N	134	149	117	102	017	
10N	135	150	118	103	018	
11N	136	151	119	104	019	
12N	137	152	120	105	020	
13N	138	153	121	106	021	
14N	139	154	122	107	022	
XAUR15N	140	155	123	108	023	
	141	156	124	109	024	
	04-058-232	04-058-247	04-058-215	04-058-200	04-062-015	04-008
XAUR16P	233	248	216	201	016	
17P	234	249	217	202	017	
18P	235	250	218	203	018	
19P	236	251	219	204	019	
20P	237	252	220	205	020	
21P	238	253	221	206	021	
22P	239	254	222	207	022	
XAUR23P	240	255	223	208	023	
	241	256	224	209	024	
	04-058-332	04-058-347	04-058-315	04-058-300	04-063-015	
XAUR16N	333	348	316	301	016	
17N	334	349	317	302	017	
18N	335	350	318	303	018	
19N	336	351	319	304	019	
20N	337	352	320	305	020	
21N	338	353	321	306	021	
22N	339	354	322	307	022	
XAUR23N	340	355	323	308	023	
	341	356	324	309	024	

AU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	AU X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-068-032	04-068-047	04-068-015	04-068-000	04-066-015	04-008
XAURP2P	033	048	016	001	016	
XAURP1P	034	049	017	002	017	
XAURASWP	035	050	018	003	018	
XAUSRP	036	051	019	004	019	
XAUSWP	037	052	020	005	020	
SPARE	038	053	021	006	021	
XAUITJIP	039	054	022	007	022	
SPARE	040	055	023	008	023	
	041	056	024	009	024	
	04-068-132	04-068-147	04-068-115	04-068-100	04-067-015	
XAURP2P	133	148	116	101	016	
XAURP1P	134	149	117	102	017	
XAURASWP	135	150	118	103	018	
XAUSRP	136	151	119	104	019	
XAUSWP	137	152	120	105	020	
SPARE	138	153	121	106	021	
XAUITJIP	139	154	122	107	022	
SPARE	140	155	123	108	023	
	141	156	124	109	024	
	04-068-232	04-068-247	04-068-215	04-068-200	04-072-015	04-008
XAUS00P	233	248	216	201	016	
01P	234	249	217	202	017	
02P	235	250	218	203	018	
03P	236	251	219	204	019	
04P	237	252	220	205	020	
05P	238	253	221	206	021	
06P	239	254	222	207	022	
XAUS07P	240	255	223	208	023	
	241	256	224	209	024	

AU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	AU X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-068-332	04-068-347	04-068-315	04-068-300	04-073-015	
XAUS00N	333	348	316	301	016	
01N	334	349	317	302	017	
02N	335	350	318	303	018	
03N	336	351	319	304	019	
04N	337	352	320	305	020	
05N	338	353	321	306	021	
06N	339	354	322	307	022	
XAUS07N	340	355	323	308	023	
	341	356	324	309	024	
	04-078-032	04-078-047	04-078-015	04-078-000	04-076-015	04-008
XAUS08P	033	048	016	001	016	
09P	034	049	017	002	017	
10P	035	050	018	003	018	
11P	036	051	019	004	019	
12P	037	052	020	005	020	
13P	038	053	021	006	021	
14P	039	054	022	007	022	
XAUS15P	040	055	023	008	023	
	041	056	024	009	024	
	04-078-132	04-078-147	04-078-115	04-078-100	04-077-015	
XAUS08N	133	148	116	101	016	
09N	134	149	117	102	017	
10N	135	150	118	103	018	
11N	136	151	119	104	019	
12N	137	152	120	105	020	
13N	138	153	121	106	021	
14N	139	154	122	107	022	
XAUS15N	140	155	123	108	023	
	141	156	124	109	024	

AU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	AU X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-078-232	04-078-247	04-078-215	04-078-200	04-083-015	04-008
XAUS16P	233	248	216	201	016	
17P	234	249	217	202	017	
18P	235	250	218	203	018	
19P	236	251	219	204	019	
20P	237	252	220	205	020	
21P	238	253	221	206	021	
XAUSPKAP	239	254	222	207	022	
XAUOPIJP	240	255	223	208	023	
	241	256	224	209	024	
	04-078-332	04-078-347	04-078-315	04-078-300	04-083-015	
XAUS16N	333	348	316	301	016	
17N	334	349	317	302	017	
18N	335	350	318	303	018	
19N	336	351	319	304	019	
20N	337	352	320	305	020	
21N	338	353	321	306	021	
XAUSPKAN	339	354	322	307	022	
XAUOPIJN	340	355	323	308	023	
	341	356	324	309	024	
	04-088-032	04-088-047	04-088-015	04-088-000	04-086-015	04-008
SPARE	033	048	016	001	016	
SPARE	034	049	017	002	017	
SPARE	035	050	018	003	018	
PAUEN12P	036	051	019	004	019	
SPARE	037	052	020	005	020	
PAUMT12P	038	053	021	006	021	
SPARE	039	054	022	007	022	
SAP12P	040	055	023	008	023	
	041	056	024	009	024	

AU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	AU X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-088-132	04-088-147	04-088-115	04-088-100	04-087-015	
SPARE	133	148	116	101	016	
SPARE	134	149	117	102	017	
SPARE	135	150	118	103	018	
PAUEN12N	136	151	119	104	019	
SPARE	137	152	120	105	020	
PAUMT12N	138	153	121	106	021	
SPARE	139	154	122	107	022	
SAP12N	140	155	123	108	023	
	141	156	124	109	024	
	04-088-232	04-088-247	04-088-215	04-088-200	04-092-015	04-008
SPARE	233	248	216	201	016	
SPARE	234	249	217	202	017	
SPARE	235	250	218	203	018	
PAUEN12P	236	251	219	204	019	
SPARE	237	252	220	205	020	
PAUMT12P	238	253	221	206	021	
SPARE	239	254	222	207	022	
SAP12P	240	255	223	208	023	
	241	256	224	209	024	
	04-088-332	04-088-347	04-088-315	04-088-300	04-093-015	
SPARE	333	348	316	301	016	
SPARE	334	349	317	302	017	
SPARE	335	350	318	303	018	
PAUEN12N	336	351	319	304	019	
SPARE	337	352	320	305	020	
PAUMT12N	338	353	321	306	021	
SPARE	339	354	322	307	022	
SAP12N	340	355	323	308	023	
	341	356	324	309	024	

AU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	AU X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-098-032	04-098-047	04-098-015	04-098-000	04-096-015	04-008
SPARE	033	048	016	001	016	
SPARE	034	049	017	002	017	
SPARE	035	050	018	003	018	
PAUENOOP	036	051	019	004	019	
SPARE	037	052	020	005	020	
PAUMTOOP	038	053	021	006	021	
AUSPOOP	039	054	022	007	022	
SAPOOP	040	055	023	008	023	
	041	056	024	009	024	
	04-098-132	04-098-147	04-098-115	04-098-100	04-097-015	
SPARE	133	148	116	101	016	
SPARE	134	149	117	102	017	
SPARE	135	150	118	103	018	
PAUENOON	136	151	119	104	019	
SPARE	137	152	120	105	020	
PAUMTOON	138	153	121	106	021	
AUSPOON	139	154	122	107	022	
SAPOON	140	155	123	108	023	
	141	156	124	109	024	
	04-098-232	04-098-247	04-098-215	04-098-200	04-102-015	04-008
SPARE	233	248	216	201	016	
SPARE	234	249	217	202	017	
SPARE	235	250	218	203	018	
PAUENOOP	236	251	219	204	019	
SPARE	237	252	220	205	020	
PAUMTOOP	238	253	221	206	021	
AUSPOOP	239	254	222	207	022	
SAPOOP	240	255	223	208	023	
	241	256	224	209	024	

AU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	AU X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-098-332	04-098-347	04-098-315	04-098-300	04-103-015	
SPARE	333	348	316	301	016	
SPARE	334	349	317	302	017	
SPARE	335	350	318	303	018	
PAUENOON	336	351	319	304	019	
SPARE	337	352	320	305	020	
PAUMTOON	338	353	321	306	021	
AUSPOON	339	354	322	307	022	
SAPOON	340	355	323	308	023	
	341	356	324	309	024	
	04-108-032	04-108-047	04-108-015	04-108-000	04-106-015	04-008
PCAU12P	033	048	016	001	016	
SPARE	034	049	017	002	017	
SPARE	035	050	018	003	018	
SPARE	036	051	019	004	019	
SPARE	037	052	020	005	020	
SPARE	038	053	021	006	021	
AUSP12P	039	054	022	007	022	
SPARE	040	055	023	008	023	
	041	056	024	009	024	
	04-108-132	04-108-147	04-108-115	04-108-100	04-107-015	
PCAU12N	133	148	116	101	016	
SPARE	134	149	117	102	017	
SPARE	135	150	118	103	018	
SPARE	136	151	119	104	019	
SPARE	137	152	120	105	020	
SPARE	138	153	121	106	021	
AUSP12N	139	154	122	107	022	
SPARE	140	155	123	108	023	
	141	156	124	109	024	

AU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	AU X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-108-232	04-108-247	04-108-215	04-108-200	04-112-015	04-008
PCAU12P	233	248	216	201	016	
SPARE	234	249	217	202	017	
SPARE	235	250	218	203	018	
SPARE	236	251	219	204	019	
SPARE	237	252	220	205	020	
SPARE	238	253	221	206	021	
AUSP12P	239	254	222	207	022	
SPARE	240	255	223	208	023	
	241	256	224	209	024	
	04-108-332	04-108-347	04-108-315	04-108-300	04-113-015	
PCAU12N	333	348	316	301	016	
SPARE	334	349	317	302	017	
SPARE	335	350	318	303	018	
SPARE	336	351	319	304	019	
SPARE	337	352	320	305	020	
SPARE	338	353	321	306	021	
AUSP12N	339	354	322	307	022	
SPARE	340	355	323	308	023	
	341	356	324	309	024	
	04-118-032	04-118-047	04-118-015	04-118-000	04-116-015	04-008
SPARE	033	048	016	001	016	
OODUSRRP	034	049	017	002	017	
SPARE	035	050	018	003	018	
OSRNTRYP	036	051	019	004	019	
SPARE	037	052	020	005	020	
ODUSSRAP	038	053	021	006	021	
SPARE	039	054	022	007	022	
OSRERRP	040	055	023	008	023	
	041	056	024	009	024	

AU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	AU X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-118-132	04-118-147	04-118-115	04-118-100	04-117-015	
SPARE	133	148	116	101	016	
OODUSRRN	134	149	117	102	017	
SPARE	135	150	118	103	018	
OSRNTRYN	136	151	119	104	019	
SPARE	137	152	120	105	020	
ODUSSRAN	138	153	121	106	021	
SPARE	139	154	122	107	022	
OSRERRN	140	155	123	108	023	
	141	156	124	109	024	
	04-118-232	04-118-247	04-118-215	04-118-200	04-122-015	04-008
SPARE	233	248	216	201	016	
SPARE	234	249	217	202	017	
SPARE	235	250	218	203	018	
SPARE	236	251	219	204	019	
SPARE	237	252	220	205	020	
SPARE	238	253	221	206	021	
SPARE	239	254	222	207	022	
SPARE	240	255	223	208	023	
	241	256	224	209	024	
	04-118-332	04-118-347	04-118-315	04-118-300	04-123-015	
SPARE	333	348	316	301	016	
SPARE	334	349	317	302	017	
SPARE	335	350	318	303	018	
SPARE	336	351	319	304	019	
SPARE	337	352	320	305	020	
SPARE	338	353	321	306	021	
SPARE	339	354	322	307	022	
SPARE	340	355	323	308	023	
	341	356	324	309	024	

AU CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	GCP X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-008-032	04-008-047	04-008-015	04-008-000	04-006-015	04-008
XPPU062P XPPU063P	033	048	016	001	016	
	034	049	017	002	017	
	035	050	018	003	018	
	036	051	019	004	019	
	037	052	020	005	020	
	038	053	021	006	021	
	039	054	022	007	022	
	040	055	023	008	023	
	041	056	024	009	024	
	04-008-132	04-008-147	04-008-115	04-008-100	04-007-015	
XPPU062N XPPU063N	133	148	116	101	016	
	134	149	117	102	017	
	135	150	118	103	018	
	136	151	119	104	019	
	137	152	120	105	020	
	138	153	121	106	021	
	139	154	122	107	022	
	140	155	123	108	023	
	141	156	124	109	024	
	04-008-232	04-008-247	04-008-215	04-008-200	04-012-015	04-008
XPPU064P XPPU065P	233	248	216	201	016	
	234	249	217	202	017	
	235	250	218	203	018	
	236	251	219	204	019	
	237	252	220	205	020	
	238	253	221	206	021	
	239	254	222	207	022	
	240	255	223	208	023	
	241	256	224	209	024	

GCP CABLE CONNECTIONS – BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	GCP X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-008-332	04-008-347	04-008-315	04-008-300	04-013-015	
XPPU064P	333	348	316	301	016	
XPPU065P	334	349	317	302	017	
	335	350	318	303	018	
	336	351	319	304	019	
	337	352	320	305	020	
	338	353	321	306	021	
	339	354	322	307	022	
	340	355	323	308	023	
	341	356	324	309	024	
	04-018-032	04-018-047	04-018-015	04-018-000	04-016-015	04-008
XPPU022P	033	048	016	001	016	
XPPU023P	034	049	017	002	017	
XPPU024P	035	050	018	003	018	
XPPU025P	036	051	019	004	019	
	037	052	020	005	020	
	038	053	021	006	021	
	039	054	022	007	022	
	040	055	023	008	023	
	041	056	024	009	024	
	04-018-132	04-018-147	04-018-115	04-018-100	04-017-015	
XPPU022N	133	148	116	101	016	
XPPU023N	134	149	117	102	017	
XPPU024N	135	150	118	103	018	
XPPU025N	136	151	119	104	019	
	137	152	120	105	020	
	138	153	121	106	021	
	139	154	122	107	022	
	140	155	123	108	023	
	141	156	124	109	024	

GCP CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	GCP X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-018-232	04-018-247	04-018-215	04-008-200	04-022-015	04-008
XPPU026P	233	248	216	201	016	
XPPU027P	234	249	217	202	017	
XPPU028P	235	250	218	203	018	
XPPU029P	236	251	219	204	019	
	237	252	220	205	020	
	238	253	221	206	021	
	239	254	222	207	022	
	240	255	223	208	023	
	241	256	224	209	024	
	04-018-332	04-018-347	04-018-315	04-018-300	04-023-015	
XPPU026N	333	348	316	301	016	
XPPU027N	334	349	317	302	017	
XPPU028N	335	350	318	303	018	
XPPU029N	336	351	319	304	019	
	337	352	320	305	020	
	338	353	321	306	021	
	339	354	322	307	022	
	340	355	323	308	023	
	341	356	324	309	024	
	04-028-032	04-028-047	04-028-015	04-028-000	04-026-015	04-008
XPPU030P	033	048	016	001	016	
XPPU031P	034	049	017	002	017	
XPPU032P	035	050	018	003	018	
XPPU033P	036	051	019	004	019	
	037	052	020	005	020	
	038	053	021	006	021	
	039	054	022	007	022	
	040	055	023	008	023	
	041	056	024	009	024	

GCP CABLE CONNECTIONS – BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	GCP X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-028-132	04-028-147	04-028-115	04-028-100	04-027-015	
XPPU030N	133	148	116	101	016	
XPPU031N	134	149	117	102	017	
XPPU032N	135	150	118	103	018	
XPPU033N	136	151	119	104	019	
	137	152	120	105	020	
	138	153	121	106	021	
	139	154	122	107	022	
	140	155	123	108	023	
	141	156	124	109	024	
	04-028-232	04-028-247	04-028-215	04-028-200	04-032-015	04-008
XPPU034P	233	248	216	201	016	
XPPU035P	234	249	217	202	017	
XPPU036P	235	250	218	203	018	
XPPU037P	236	251	219	204	019	
	237	252	220	205	020	
	238	253	221	206	021	
	239	254	222	207	022	
	240	255	223	208	023	
	241	256	224	209	024	
	04-028-332	04-028-347	04-028-315	04-028-300	04-033-015	
XPPU034N	333	348	316	301	016	
XPPU035N	334	349	317	302	017	
XPPU036N	335	350	318	303	018	
XPPU037N	336	351	319	304	019	
	337	352	320	305	020	
	338	353	321	306	021	
	339	354	322	307	022	
	340	355	322	308	023	
	341	356	324	309	024	

GCP CABLE CONNECTIONS – BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	GCP X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-038-032	04-038-047	04-038-015	04-038-000	04-036-015	04-008
XPPU078P	033	048	016	001	016	
XPPU079P	034	049	017	002	017	
XPPU080P	035	050	018	003	018	
XPPU081P	036	051	019	004	019	
XPPU082P	037	052	020	005	020	
XPPU083P	038	053	021	006	021	
XPPU084P	039	054	022	007	022	
XPPU085P	040	055	023	008	023	
	041	056	024	009	024	
	04-038-132	04-038-147	04-038-115	04-038-100	04-037-015	
XPPU078N	133	148	116	101	016	
XPPU079N	134	149	117	102	017	
XPPU080N	135	150	118	103	018	
XPPU081N	136	151	119	104	019	
XPPU082N	137	152	120	105	020	
XPPU083N	138	153	121	106	021	
XPPU084N	139	154	122	107	022	
XPPU085N	140	155	123	108	023	
	141	156	124	109	024	
	04-038-232	04-038-247	04-038-215	04-038-200	04-042-015	04-008
XPPU086P	233	248	216	201	016	
XPPU087P	234	249	217	202	017	
XPPU088P	235	250	218	203	018	
XPPU089P	236	251	219	204	019	
XPPU090P	237	252	220	205	020	
XPPU091P	238	253	221	206	021	
XXPU092P	239	254	222	207	022	
XXPU093P	240	255	223	208	023	
	241	256	224	209	024	

GCP CABLE CONNECTIONS – BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	GCP X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-038-332	04-038-347	04-038-315	04-038-300	04-043-015	
XPPU086N	333	348	316	301	016	
XPPU087N	334	349	317	302	017	
XPPU088N	335	350	318	303	018	
XPPU089N	336	351	319	304	019	
XPPU090N	337	352	320	305	020	
XPPU091N	338	353	321	306	021	
XPPU092N	339	354	322	307	022	
XPPU093N	340	355	323	308	023	
	341	356	324	309	024	
	04-048-032	04-048-047	04-048-015	04-048-000	04-046-015	04-008
XPPU002P	033	048	016	001	016	
XPPU003P	034	049	017	002	017	
	035	050	018	003	018	
	036	051	019	004	019	
	037	052	020	005	020	
	038	053	021	006	021	
	039	054	022	007	022	
	040	055	023	008	023	
	041	056	024	009	024	
	04-048-132	04-048-147	04-048-115	04-048-100	04-047-015	
XPPU002N	133	148	116	101	016	
XPPU003N	134	149	117	102	017	
	135	150	118	103	018	
	136	151	119	104	019	
	137	152	120	105	020	
	138	153	121	106	021	
	139	154	122	107	022	
	140	155	123	108	023	
	141	156	124	109	024	

GCP CABLE CONNECTIONS – BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	GCP X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-058-032	04-058-047	04-058-015	04-058-000	04-056-015	04-008
XPPU004P XPPU005P	033	048	016	001	016	
	034	049	017	002	017	
	035	050	018	003	018	
	036	051	019	004	019	
	037	052	020	005	020	
	038	053	021	006	021	
	039	054	022	007	022	
	040	055	023	008	023	
	041	056	024	009	024	
	04-058-132	04-058-147	04-058-115	04-058-100	04-057-015	
XPPU004P XPPU005N	133	148	116	101	016	
	134	149	117	102	017	
	135	150	118	103	018	
	136	151	119	104	019	
	137	152	120	105	020	
	138	153	121	106	021	
	139	154	122	107	022	
	140	155	123	108	023	
	141	156	124	109	024	
	04-068-032	04-068-047	04-068-015	04-068-000	04-066-015	04-008
XPPU006P XPPU007P	033	048	016	001	016	
	034	049	017	002	017	
	035	050	018	003	018	
	036	051	019	004	019	
	037	052	020	005	020	
	038	053	021	006	021	
	039	054	022	007	022	
	040	055	023	008	023	
	041	056	024	009	024	

NOTE: If IOP3 is present, XPPU006P is XPPU013P; XPPU007P is XPPU014P.

GCP CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	GCP X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-068-132	04-068-147	04-068-115	04-068-100	04-067-015	
XPPU006N XPPU007N	133	148	116	101	016	
	134	149	117	102	017	
	135	150	118	103	018	
	136	151	119	104	019	
	137	152	120	105	020	
	138	153	121	106	021	
	139	154	122	107	022	
	140	155	123	108	023	
	141	156	124	109	024	
	04-078-032	04-078-047	04-078-015	04-078-000	04-076-015	04-008
XPPU008P XPPU009P	033	048	016	001	016	
	034	049	017	002	017	
	035	050	018	003	018	
	036	051	019	004	019	
	037	052	020	005	020	
	038	053	021	006	021	
	039	054	022	007	022	
	040	055	023	008	023	
	041	056	024	009	024	
	04-078-132	04-078-147	04-078-115	04-078-100	04-077-015	
XPPU008N XPPU009N	133	148	116	101	016	
	134	149	117	102	017	
	135	150	118	103	018	
	136	151	119	104	019	
	137	152	120	105	020	
	138	153	121	106	021	
	139	154	122	107	022	
	140	155	123	108	023	
	141	156	124	109	024	

NOTE: If IOP3 is present, XPPU006N is XPPU013N; XPPU007N is XPP4014N; XPPU008P is XPPU015P; XPPU009P is XPPU016P; XPPU008N is XPPU015N; XPPU009N is XPPU016N.

GCP CABLE CONNECTIONS — BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	GCP X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-088-032	04-088-047	04-088-015	04-088-000	04-086-015	04-008
XPPU010P	033	048	016	001	016	
XPPU011P	034	049	017	002	017	
	035	050	018	003	018	
	036	051	019	004	019	
	037	052	020	005	020	
	038	053	021	006	021	
	039	054	022	007	022	
	040	055	023	008	023	
	041	056	024	009	024	
	04-088-132	04-088-147	04-088-115	04-088-100	04-087-015	
XPPU010N	133	148	116	101	016	
XPPU011N	134	149	117	102	017	
	135	150	118	103	018	
	136	151	119	104	019	
	137	152	120	105	020	
	138	153	121	106	021	
	139	154	122	107	022	
	140	155	123	108	023	
	141	156	124	109	024	
	04-098-032	04-098-047	04-098-015	04-098-000	04-096-015	04-008
XPPU012P	033	048	016	001	016	
XPPU013P	034	049	017	002	017	
	035	050	018	003	018	
	036	051	019	004	019	
	037	052	020	005	020	
	038	053	021	006	021	
	039	054	022	007	022	
	040	055	023	008	023	
	041	056	024	009	024	

GCP CABLE CONNECTIONS – BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	GCP X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-098-132	04-098-147	04-098-115	04-098-100	04-097-015	
XPPU012N XPPU013N	133	148	116	101	016	
	134	149	117	102	017	
	135	150	118	103	018	
	136	151	119	104	019	
	137	152	120	105	020	
	138	153	121	106	021	
	139	154	122	107	022	
	140	155	123	108	023	
	141	156	124	109	024	
	04-108-032	04-108-047	04-108-015	04-108-000	04-106-015	04-008
XPPU002P XPPU003P	033	048	016	001	016	
	034	049	017	002	017	
	035	050	018	003	018	
	036	051	019	004	019	
	037	052	020	005	020	
	038	053	021	006	021	
	039	054	022	007	022	
	040	055	023	008	023	
	041	056	024	009	024	
	04-108-132	04-108-147	04-108-115	04-108-100	04-107-015	
XPPU002N XPPU003N	133	148	116	101	016	
	134	149	117	102	017	
	135	150	118	103	018	
	136	151	119	104	019	
	137	152	120	105	020	
	138	153	121	106	021	
	139	154	122	107	022	
	140	155	123	108	023	
	141	156	124	109	024	

GCP CABLE CONNECTIONS – BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	GCP X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-118-032	04-018-047	04-118-015	04-118-000	04-116-015	04-008
XPPU004P XPPU005P	033	048	016	001	016	
	034	049	017	002	017	
	035	050	018	003	018	
	036	051	019	004	019	
	037	052	020	005	020	
	038	053	021	006	021	
	039	054	022	007	022	
	040	055	023	008	023	
	041	056	024	009	024	
	04-118-132	04-118-147	04-118-115	04-118-100	04-117-015	
XPPU004N XPPU005N	133	148	116	101	016	
	134	149	117	102	017	
	135	150	118	103	018	
	136	151	119	104	019	
	137	152	120	105	020	
	138	153	121	106	021	
	139	154	122	107	022	
	140	155	123	108	023	
	141	156	124	109	024	
	04-128-032	04-128-047	04-128-015	04-128-000	04-126-015	04-008
XPPU006P XPPU007P	033	048	016	001	016	
	035	049	017	002	017	
	035	050	018	003	018	
	036	051	019	004	019	
	037	052	020	005	020	
	038	053	021	006	021	
	039	054	022	007	022	
	040	055	023	008	023	
	041	056	024	009	024	

GCP CABLE CONNECTIONS – BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	GCP X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-128-132	04-128-147	04-128-115	04-128-100	04-127-015	
XPPU006N	133	148	116	101	016	
XPPU007N	134	149	117	102	017	
	135	150	118	103	018	
	136	151	119	104	019	
	137	152	120	105	020	
	138	153	121	106	021	
	139	154	122	107	022	
	140	155	123	108	023	
	141	156	124	109	024	
	04-138-032	04-138-047	04-138-015	04-138-000	04-136-015	04-008
XPPU008P	033	048	016	001	016	
XPPU009P	034	049	017	002	017	
	035	050	018	003	018	
	036	051	019	004	019	
	037	052	020	005	020	
	038	053	021	006	021	
	039	054	022	007	022	
	040	055	023	008	023	
	041	056	024	009	024	
	04-138-132	04-138-147	04-138-115	04-138-100	04-137-015	
XPPU008N	133	148	116	101	016	
XPPU009N	134	149	117	102	017	
	135	150	118	103	018	
	136	151	119	104	019	
	137	152	120	105	020	
	138	153	121	106	021	
	139	154	122	107	022	
	140	155	123	108	023	
	141	156	124	109	024	

GCP CABLE CONNECTIONS – BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	GCP X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-148-032	04-148-047	04-148-015	04-148-000	04-146-015	04-008
XPPU01OP XPPU011P	033	048	016	001	016	
	034	049	017	002	017	
	035	050	018	003	018	
	036	051	019	004	019	
	037	052	020	005	020	
	038	053	021	006	021	
	039	054	022	007	022	
	040	055	023	008	023	
	041	056	024	009	024	
	04-148-132	04-148-147	04-148-115	04-148-100	04-147-015	
XPPU01ON XPPU011N	133	148	116	101	016	
	134	149	117	102	017	
	135	150	118	103	018	
	136	151	119	104	019	
	137	152	120	105	020	
	138	153	121	106	021	
	139	154	122	107	022	
	140	155	123	108	023	
	141	156	124	109	024	
	04-158-032	04-158-047	04-158-015	04-158-000	04-156-015	04-008
XPPU012P XPPU013P	033	048	016	001	016	
	034	049	017	002	017	
	035	050	018	003	018	
	036	051	019	004	019	
	037	052	020	005	020	
	038	053	021	006	021	
	039	054	022	007	022	
	040	055	023	008	023	
	041	056	024	009	024	

GCP CABLE CONNECTIONS – BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	GCP X CABLE CONNECTION	BTRs (BIT LOCATION ON BACKPLANE)	TEST POINT	TN1808
(X = Bus 0 or 1)	04-158-132	04-158-147	04-158-115	04-158-100	04-157-015	
XPPU012N XPPU013N	133	148	116	101	016	
	134	149	117	102	017	
	135	150	118	103	018	
	136	151	119	104	019	
	137	152	120	105	020	
	138	153	121	106	021	
	139	154	122	107	022	
	140	155	123	108	023	
	141	156	124	109	024	

GCP CABLE CONNECTIONS – BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	SSD CABLE CONNECTION	TN1808
	04-008-032	04-008-047	04-008-015	04-008
SPARE	033	048	016	
SPARE	034	049	017	
S13B160	035	050	018	
S13B170	036	051	019	
SPARE	037	052	020	
SPARE	038	053	021	
SPARE	039	054	022	
SPARE	040	055	023	
	041	056	024	
	04-008-132	04-008-147	04-008-115	
SPARE	133	148	116	
SPARE	134	149	117	
GRD	135	150	118	
GRD	136	151	119	
SPARE	137	152	120	
SPARE	138	153	121	
SD6B161	139	154	122	
SD6B171	140	155	123	
	141	156	124	
	04-008-232	04-008-247	04-008-215	04-008
SPARE	233	248	216	
SPARE	234	249	217	
S13B160	235	250	218	
S13B170	236	251	219	
SPARE	237	252	220	
SPARE	238	253	221	
SPARE	239	254	222	
SPARE	240	255	223	
	241	256	224	

SSD CABLE CONNECTIONS – BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	SSD CABLE CONNECTION	TN1808
	04-008-332	04-008-347	04-008-315	
SPARE	333	348	316	
SPARE	334	349	317	
GRD	335	350	318	
GRD	336	351	319	
SPARE	337	352	320	
SPARE	338	353	321	
SD6B161	339	354	322	
SD6B171	340	355	323	
	341	356	324	
	04-018-032	04-018-047	04-018-015	04-008
SPARE	033	048	016	
SPARE	034	049	017	
S13B180	035	050	018	
S13B190	036	051	019	
SPARE	037	052	020	
SPARE	038	053	021	
SPARE	039	054	022	
SPARE	040	055	023	
	041	056	024	
	04-018-132	04-018-147	04-018-115	
SPARE	133	148	116	
SPARE	134	149	117	
GRD	135	150	118	
GRD	136	151	119	
SPARE	137	152	120	
SPARE	138	153	121	
SD6B181	139	154	122	
SD6B191	140	155	123	
	141	156	124	

SSD CABLE CONNECTIONS – BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	SSD CABLE CONNECTION	TN1808
	04-018-232	04-018-247	04-018-215	04-008
SPARE	233	248	216	
SPARE	234	249	217	
S13B160	235	250	218	
S13B170	236	251	219	
SPARE	237	252	220	
SPARE	238	253	221	
SPARE	239	254	222	
SPARE	240	255	223	
	241	256	224	
	04-018-332	04-018-347	04-018-315	
SPARE	333	348	316	
SPARE	334	349	317	
GRD	335	350	318	
GRD	336	351	319	
SPARE	337	352	320	
SPARE	338	353	321	
SD6B161	339	354	322	
SD6B171	340	355	323	
	341	356	324	
	04-028-032	04-028-047	04-028-015	04-008
SPARE	033	048	016	
SPARE	034	049	017	
S13B160	035	050	018	
S13B170	036	051	019	
SPARE	037	052	020	
SPARE	038	053	021	
SPARE	039	054	022	
SPARE	040	055	023	
	041	056	024	

SSD CABLE CONNECTIONS – BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	SSD CABLE CONNECTION	TN1808
		04-028-147	04-028-115	
GRD	133	148	116	
GRD	134	149	117	
GRD	135	150	118	
GRD	136	151	119	
SD7B081	137	152	120	
SD7B091	138	153	121	
SD7B101	139	154	122	
SD7B111	140	155	123	
	141	156	124	
	04-028-232	04-028-247	04-028-215	04-008
S14B080	233	248	216	
S14B090	234	249	217	
S14B100	235	250	218	
S14B110	236	251	219	
SPARE	237	252	220	
SPARE	238	253	221	
SPARE	239	254	222	
SPARE	240	255	223	
	241	256	224	
	04-028-332	04-028-347	04-028-315	
GRD	333	348	316	
GRD	334	349	317	
GRD	335	350	318	
GRD	336	351	319	
SD7B081	337	352	320	
SD7B091	338	353	321	
SD7B101	339	354	322	
SD7B111	340	355	323	
	341	356	324	

SSD CABLE CONNECTIONS – BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	SSD CABLE CONNECTION	TN1808
	04-038-032	04-038-047	04-038-015	04-008
S14B120	033	048	016	
S14B130	034	049	017	
S14B140	035	050	018	
S14B150	036	051	019	
SPARE	037	052	020	
SPARE	038	053	021	
SPARE	039	054	022	
SPARE	040	055	023	
	041	056	024	
	04-038-132	04-038-147	04-038-115	
GRD	133	148	116	
GRD	134	149	117	
GRD	135	150	118	
GRD	136	151	119	
SD7B121	137	152	120	
SD7B131	138	153	121	
SD7B141	139	154	122	
SD7B151	140	155	123	
	141	156	124	
	04-038-232	04-038-247	04-038-215	04-008
S14B120	233	248	216	
S14B130	234	249	217	
S14B140	235	250	218	
S14B150	236	251	219	
SPARE	237	252	220	
SPARE	238	253	221	
SPARE	239	254	222	
SPARE	240	255	223	
	241	256	224	

SSD CABLE CONNECTIONS – BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	SSD CABLE CONNECTION	TN1808
	04-038-332	04-038-347	04-038-315	
GRD	333	348	316	
GRD	334	349	317	
GRD	335	350	318	
GRD	336	351	319	
SD7B121	337	352	320	
SD7B131	338	353	321	
SD7B141	330	354	322	
S7B151	340	355	323	
	341	356	324	
	04-048-032	04-048-047	04-048-015	04-008
S13B000	033	048	016	
S13B010	034	049	017	
S13B020	035	050	018	
S13B030	036	051	019	
SPARE	037	052	020	
SPARE	038	053	021	
SPARE	039	054	022	
SPARE	040	055	023	
	041	056	024	
	04-048-132	04-048-147	04-048-115	
GRD	133	148	116	
GRD	134	149	117	
GRD	135	150	118	
GRD	136	151	119	
SD6B001	137	152	120	
SD6B011	138	153	121	
SD6B021	139	154	122	
SD6B031	140	155	123	
	141	156	124	

SSD CABLE CONNECTIONS – BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	SSD CABLE CONNECTION	TN1808
	04-048-232	04-048-247	04-048-215	04-008
S13B000	233	248	216	
S13B010	234	249	217	
S13B020	235	250	218	
S13B030	236	251	219	
SPARE	237	252	220	
SPARE	238	253	221	
SPARE	239	254	222	
SPARE	240	255	223	
	241	256	224	
	04-048-332	04-048-347	04-048-315	
GRD	333	348	316	
GRD	334	349	317	
GRD	335	350	318	
GRD	336	351	319	
SD6B001	337	352	320	
SD6B011	338	353	321	
SD6B021	339	354	322	
SD6B031	340	355	323	
	341	356	324	
	04-058-232	04-058-047	04-058-015	04-008
S13B040	033	048	016	
S13B050	034	049	017	
S13B060	035	050	018	
S13B070	036	051	019	
SPARE	037	052	020	
SPARE	038	053	021	
SPARE	039	054	022	
SPARE	040	055	023	
	041	056	024	

SSD CABLE CONNECTIONS – BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	SSD CABLE CONNECTION	TN1808
	04-058-132	04-058-147	04-058-115	
GRD	133	148	116	
GRD	134	149	117	
GRD	135	150	118	
GRD	136	151	119	
SD6B041	137	152	120	
SD6B051	138	153	121	
SD6B061	139	154	122	
SD6B071	140	155	123	
	141	156	124	
	04-058-232	04-058-247	04-058-215	04-008
S13B040	233	248	216	
S13B050	234	249	217	
S13B060	235	250	218	
S13B070	236	251	219	
SPARE	237	252	220	
SPARE	238	253	221	
SPARE	239	254	222	
SPARE	240	255	223	
	241	256	224	
	04-058-332	04-058-347	04-058-315	
GRD	333	348	316	
GRD	334	349	317	
GRD	335	350	318	
GRD	336	351	319	
SD6B041	337	352	320	
SD6B051	338	353	321	
SD6B061	339	354	322	
SD6B071	340	355	323	
	341	356	324	

SSD CABLE CONNECTIONS – BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	SSD CABLE CONNECTION	TN1808
	04-068-032	04-068-047	04-068-015	04-008
S14B000	033	048	016	
S14B010	034	049	017	
S14B020	035	050	018	
S14B030	036	051	019	
SPARE	037	052	020	
SPARE	038	053	021	
SPARE	039	054	022	
SPARE	040	055	023	
	041	056	024	
	04-068-132	04-068-147	04-068-115	
GRD	133	148	116	
GRD	134	149	117	
GRD	135	150	118	
GRD	136	151	119	
SD7B001	137	152	120	
SD7B011	138	153	121	
SD7B021	139	154	122	
SD7B031	140	155	123	
	141	156	124	
	04-068-232	04-068-247	04-068-215	04-008
S14B000	233	248	216	
S14B010	234	249	217	
S14B020	235	250	218	
S14B030	236	251	219	
SPARE	237	252	220	
SPARE	238	253	221	
SPARE	239	254	222	
SPARE	240	255	223	
	241	256	224	

SSD CABLE CONNECTIONS – BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	SSD CABLE CONNECTION	TN1808
	04-068-332	04-068-347	04-068-315	
GRD	333	348	316	
GRD	334	349	317	
GRD	335	350	318	
GRD	336	351	319	
SD7B001	337	352	320	
SD7B011	338	353	321	
SD7B021	330	354	322	
SD7B031	340	355	323	
	341	356	324	
	04-078-032	04-078-047	04-078-015	04-008
S14B000	033	048	016	
S14B010	034	049	017	
S14B020	035	050	018	
S14B030	036	051	019	
SPARE	037	052	020	
SPARE	038	053	021	
SPARE	039	054	022	
SPARE	040	055	023	
	041	056	024	
	04-078-132	04-078-147	04-078-115	
GRD	133	148	116	
GRD	134	149	117	
GRD	135	150	118	
GRD	136	151	119	
SD7B001	137	152	120	
SD7B011	138	153	121	
SD7B021	139	154	122	
SD7B031	140	155	123	
	141	156	124	

SSD CABLE CONNECTIONS – BIT MAPS

BITS	1B PROCESSOR CABLE CONNECTION	1A PROCESSOR CABLE CONNECTION	SSD CABLE CONNECTION	TN1808
	04-078-232	04-078-247	04-078-215	04-008
S14B000	233	248	216	
S14B010	234	249	217	
S14B020	235	250	218	
S14B030	236	251	219	
SPARE	237	252	220	
SPARE	238	253	221	
SPARE	239	254	222	
SPARE	240	255	223	
	241	256	224	
	04-078-332	04-078-347	04-078-315	
GRD	333	348	316	
GRD	334	349	317	
GRD	335	350	318	
GRD	336	351	319	
SD7B001	337	352	320	
SD7B011	338	353	321	
SD7B021	339	354	322	
SD7B031	340	355	323	
	341	356	324	

SSD CABLE CONNECTIONS – BIT MAPS

ITEM	ISSUE	ITEM	ISSUE	ITEM	ISSUE	ITEM	ISSUE	ITEM	ISSUE	ITEM	ISSUE
IXL-001 NTP-002 TAP-102 TAP-103 TAP-104											
TAP-105 TAP-106 TAP-107 TAP-108 TAP-109											
TAP-110											

• REVISED OR ADDED ITEM ☐ CANCELED ITEM

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CHECKLIST

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