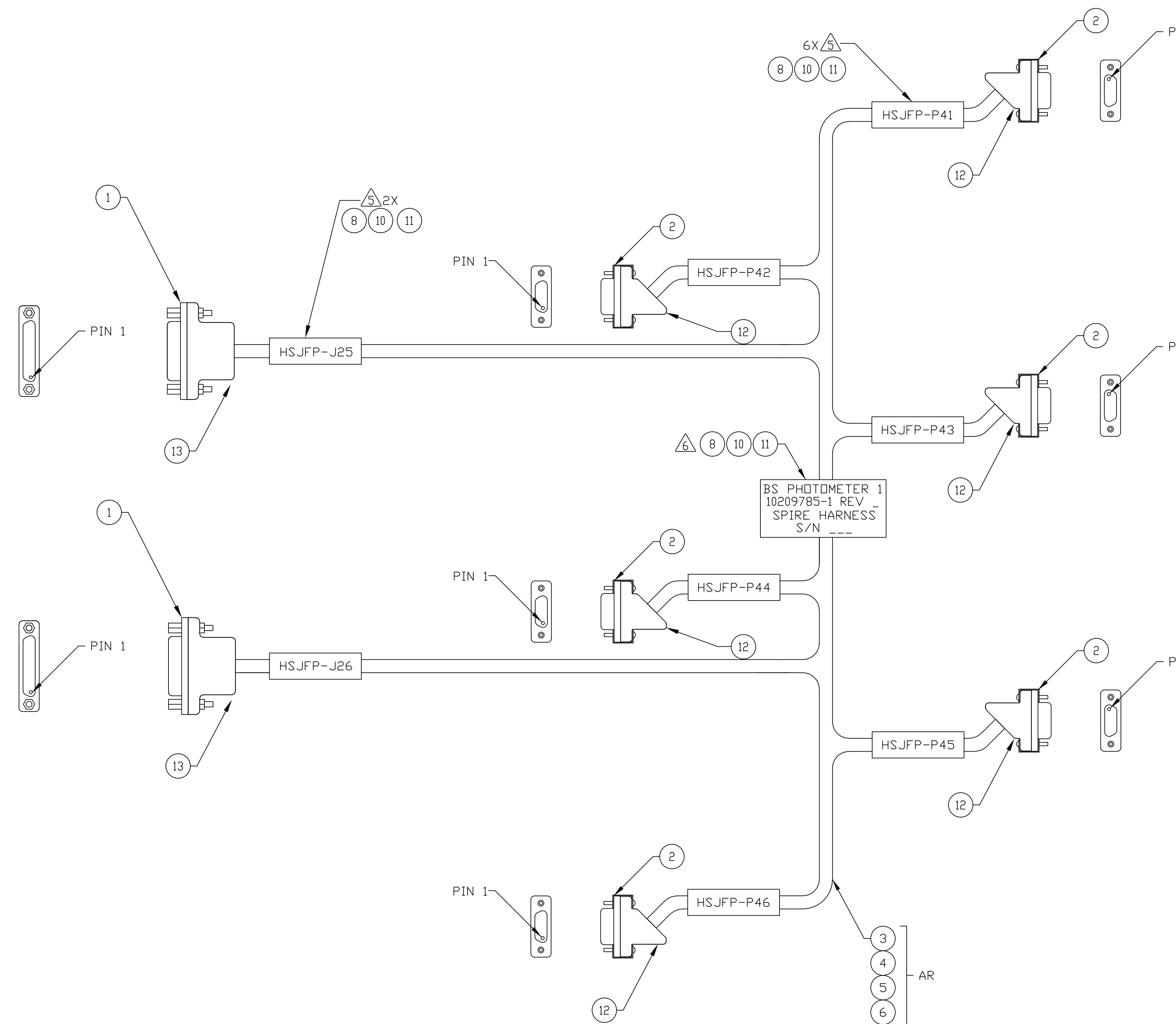


LTR		ZONE		REVISIONS										
DESCRIPTION				DWN	CHK	STRUCT	MATL	THRM	CONTR	ENGR	DSGN	DATA	RELEASE	DATE
INITIAL RELEASE														
				CODE	SEE TITLE BLOCK									

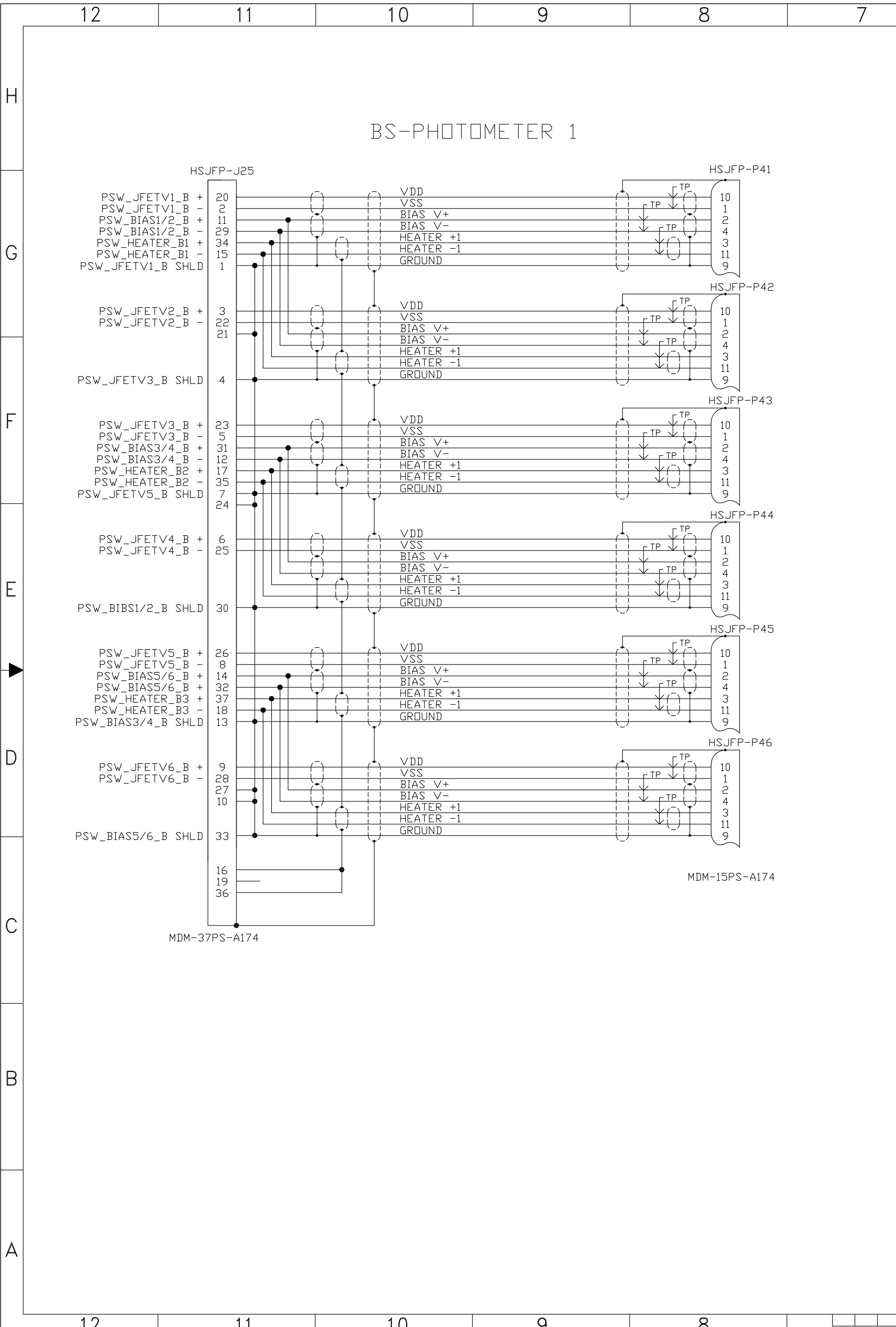


- 8. INDICATES TWISTED WIRE GROUP.
  - 7. ALL INTERCONNECT WIRING IS 26 AWG COPPER.
  - IDENTIFY HARNESS AND CONNECTOR PER JPL D-8208, SECTION 3.12 USING ITEMS 8, 10, AND 11. ADD APPLICABLE REVISION LEVEL AND SERIAL NUMBER.
  - IDENTIFY CONNECTORS PER JPL D-8208, SECTION 3.12 USING ITEM 10 AND 11. ALTERNATE METHOD MARK CONNECTOR DIRECTLY USING ITEM 8.
  - 4. TIE CABLE AS REQUIRED USING ITEM 7, LACING TAPE.
  - 3. ALTERNATE OR EQUIVALENT PARTS MAY BE USED SUBJECT TO PRIOR ENGINEERING APPROVAL.
  - 2. FABRICATE HARNESS ON A FULL SCALE MOCKUP OF HARDWARE. BUNDLES SHOULD LIE AS SHOWN ON RAL DOCUMENT 0-KE-0104-350.
  - 1. FABRICATE CABLE PER JPL D-8208, SECTION 3.12.
- NOTES: UNLESS OTHERWISE SPECIFIED

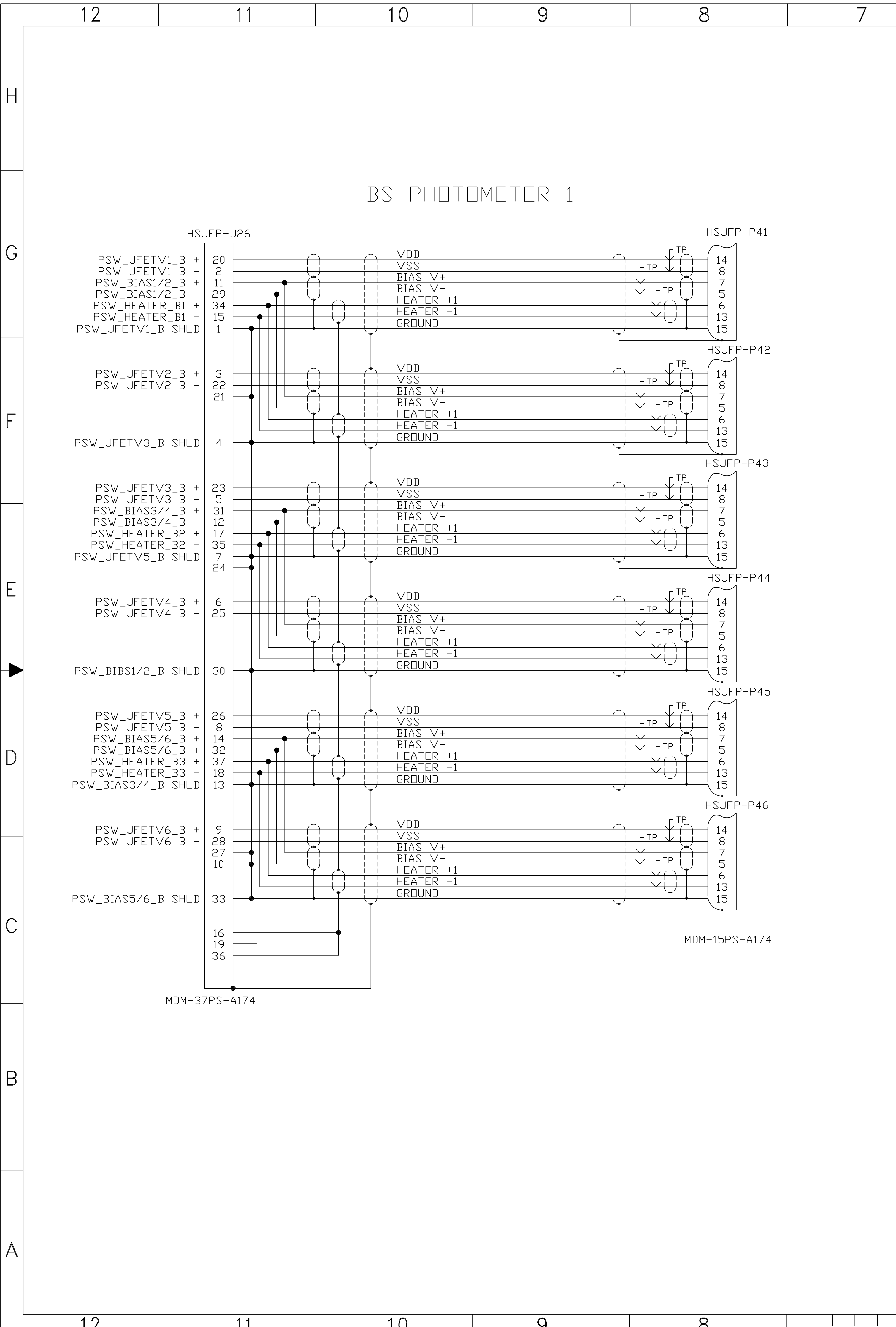
QTY REQD	ITEM NO	REF DES	CAGE NO	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	SPECIFICATION	MATERIAL OR NOTE	ZONE
	AR 14			ST11478-26-ET	WIRE, SC, 26 AWG			
2	13			500-047M37F	BACKSHELL, 37		GLENAIR	
6	12			500E010M15H08	BACKSHELL, 15		GLENAIR	
AR	11			ST10088	TAPE, KAPTON			
AR	10			ST10021	TAPE, GLASS CLOTH			
AR	9				SOLDER	QQ-S-571	SN63	
AR	8				INK, MARKING - BLACK	BS502673	WORNOWINK SERIES M	
AR	7			ST12013	TAPE, LACING			
AR	6			ST10027	TUBING, INSULATION, SHRINKABLE			
AR	5			ST10039	FERRULE, TWO PIECE			
AR	4			ST12015	BRAID WIRE, COPPER, SILVER COATED			
AR	3			ST11481-26-ET	WIRE, TPSJ, 26 AWG			
6	2	HSJFP-PX		MDM-15SSB-A174	CONNECTOR, MICRO D, 15-SKT			
2	1	HSJFP-JX		MDM-37SSP-A174	CONNECTOR, MICRO D, 37-SKT			

MATERIAL  <b>METRIC</b> THIRD ANGLE PROJECTION 	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS LINEAR TOLERANCES: 0-6 ± 0.1 OVER 6-30 ± 0.2 OVER 30-120 ± 0.3 OVER 120-315 ± 0.5 OVER 315-1000 ± 0.8 OVER 1000 ± 1.2 ANGULAR TOLERANCES: ± 0.5° MACHINE FINISH (MICROMETERS) 3.2 DO NOT SCALE DRAWING INTERPRET DWG PER ANSI Y14.100M	CONTRACT NO 124495B APPD _____ DATE _____ DWN D CRUMB 11/05/01 CHK _____ STRUCT _____ MATL _____ THRM _____ CONTR _____ ENGR _____ DSGN _____ SUPV _____	<b>JET PROPULSION LABORATORY</b> CALIFORNIA INSTITUTE OF TECHNOLOGY PASADENA, CA 91109 RELEASED THROUGH EDMG <b>HARNESS, PHOTOMETER                  SHORT WAVE JFET,                  SPIRE</b>
	SPIRE USED ON _____ APPLICATION _____	SIZE <b>A1</b> CAGE NO <b>23835</b> SCALE NONE UNCLASSIFIED SHEET 1 OF 3 REV 2/00	

A1 10209785 AutoCAD GENERATED



FROM	CONNECTOR PART NO.	CONTACT PART NO.	TO	CONNECTOR PART NO.	CONTACT PART NO.	WIRE AWG & TYPE	TWIST GROUPS	SIGNAL
HSJFP-J25-20	MDM-37PS-A174	—	HSJFP-P41-10	MDM-15PS-A174	—	#26 (TPSJ)	AA	PSW_JFETV1_A +
HSJFP-J25-2	MDM-37PS-A174	—	HSJFP-P41-1	MDM-15PS-A174	—	#26 (TPSJ)	AA	PSW_JFETV1_A -
HSJFP-J25-11	MDM-37PS-A174	—	HSJFP-P41-2	MDM-15PS-A174	—	#26 (TPSJ)	AB	PSW_BIAS1/2_A +
HSJFP-J25-29	MDM-37PS-A174	—	HSJFP-P41-4	MDM-15PS-A174	—	#26 (TPSJ)	AB	PSW_BIAS1/2_A -
HSJFP-J25-34	MDM-37PS-A174	—	HSJFP-P41-3	MDM-15PS-A174	—	#26 (TPSJ)	AC	PSW_HEATER_A1 +
HSJFP-J25-15	MDM-37PS-A174	—	HSJFP-P41-11	MDM-15PS-A174	—	#26 (TPSJ)	AC	PSW_HEATER_A1 -
HSJFP-J25-1	MDM-37PS-A174	—	HSJFP-P41-9	MDM-15PS-A174	—	#26 (SC)		PSW_JFETV1_A SHLD
HSJFP-J25-3	MDM-37PS-A174	—	HSJFP-P42-10	MDM-15PS-A174	—	#26 (TPSJ)	AD	PSW_JFETV2_A +
HSJFP-J25-22	MDM-37PS-A174	—	HSJFP-P42-1	MDM-15PS-A174	—	#26 (TPSJ)	AD	PSW_JFETV2_A -
HSJFP-J25-11	MDM-37PS-A174	—	HSJFP-P42-2	MDM-15PS-A174	—	#26 (TPSJ)	AE	PSW_BIAS1/2_A +
HSJFP-J25-29	MDM-37PS-A174	—	HSJFP-P42-4	MDM-15PS-A174	—	#26 (TPSJ)	AE	PSW_BIAS1/2_A -
HSJFP-J25-34	MDM-37PS-A174	—	HSJFP-P42-3	MDM-15PS-A174	—	#26 (TPSJ)	AF	PSW_HEATER_A1 +
HSJFP-J25-15	MDM-37PS-A174	—	HSJFP-P42-11	MDM-15PS-A174	—	#26 (TPSJ)	AF	PSW_HEATER_A1 -
HSJFP-J25-4	MDM-37PS-A174	—	HSJFP-P42-9	MDM-15PS-A174	—	#26 (SC)		PSW_JFETV3_A SHLD
HSJFP-J25-23	MDM-37PS-A174	—	HSJFP-P43-10	MDM-15PS-A174	—	#26 (TPSJ)	AG	PSW_JFETV3_A +
HSJFP-J25-5	MDM-37PS-A174	—	HSJFP-P43-1	MDM-15PS-A174	—	#26 (TPSJ)	AG	PSW_JFETV3_A -
HSJFP-J25-31	MDM-37PS-A174	—	HSJFP-P43-2	MDM-15PS-A174	—	#26 (TPSJ)	AH	PSW_BIAS3/4_A +
HSJFP-J25-12	MDM-37PS-A174	—	HSJFP-P43-4	MDM-15PS-A174	—	#26 (TPSJ)	AH	PSW_BIAS3/4_A -
HSJFP-J25-17	MDM-37PS-A174	—	HSJFP-P43-3	MDM-15PS-A174	—	#26 (TPSJ)	AJ	PSW_HEATER_A2 +
HSJFP-J25-35	MDM-37PS-A174	—	HSJFP-P43-11	MDM-15PS-A174	—	#26 (TPSJ)	AJ	PSW_HEATER_A2 -
HSJFP-J25-7	MDM-37PS-A174	—	HSJFP-P43-9	MDM-15PS-A174	—	#26 (SC)		PSW_JFETV5_A SHLD
HSJFP-J25-6	MDM-37PS-A174	—	HSJFP-P44-10	MDM-15PS-A174	—	#26 (TPSJ)	AK	PSW_JFETV4_A +
HSJFP-J25-25	MDM-37PS-A174	—	HSJFP-P44-1	MDM-15PS-A174	—	#26 (TPSJ)	AK	PSW_JFETV4_A -
HSJFP-J25-31	MDM-37PS-A174	—	HSJFP-P44-2	MDM-15PS-A174	—	#26 (TPSJ)	AL	PSW_BIAS3/4_A +
HSJFP-J25-12	MDM-37PS-A174	—	HSJFP-P44-4	MDM-15PS-A174	—	#26 (TPSJ)	AL	PSW_BIAS3/4_A -
HSJFP-J25-17	MDM-37PS-A174	—	HSJFP-P44-3	MDM-15PS-A174	—	#26 (TPSJ)	AM	PSW_HEATER_A2 +
HSJFP-J25-35	MDM-37PS-A174	—	HSJFP-P44-11	MDM-15PS-A174	—	#26 (TPSJ)	AM	PSW_HEATER_A2 -
HSJFP-J25-30	MDM-37PS-A174	—	HSJFP-P44-9	MDM-15PS-A174	—	#26 (SC)		PSW_BIAS1/2_A SHLD
HSJFP-J25-26	MDM-37PS-A174	—	HSJFP-P45-10	MDM-15PS-A174	—	#26 (TPSJ)	AN	PSW_JFETV5_A +
HSJFP-J25-8	MDM-37PS-A174	—	HSJFP-P45-1	MDM-15PS-A174	—	#26 (TPSJ)	AN	PSW_JFETV5_A -
HSJFP-J25-14	MDM-37PS-A174	—	HSJFP-P45-2	MDM-15PS-A174	—	#26 (TPSJ)	AP	PSW_BIAS5/6_A +
HSJFP-J25-32	MDM-37PS-A174	—	HSJFP-P45-4	MDM-15PS-A174	—	#26 (TPSJ)	AP	PSW_BIAS5/6_A -
HSJFP-J25-37	MDM-37PS-A174	—	HSJFP-P45-3	MDM-15PS-A174	—	#26 (TPSJ)	AR	PSW_HEATER_A3 +
HSJFP-J25-18	MDM-37PS-A174	—	HSJFP-P45-11	MDM-15PS-A174	—	#26 (TPSJ)	AR	PSW_HEATER_A3 -
HSJFP-J25-13	MDM-37PS-A174	—	HSJFP-P45-9	MDM-15PS-A174	—	#26 (SC)		PSW_BIAS3/4_A SHLD
HSJFP-J25-9	MDM-37PS-A174	—	HSJFP-P46-10	MDM-15PS-A174	—	#26 (TPSJ)	AS	PSW_JFETV6_A +
HSJFP-J25-28	MDM-37PS-A174	—	HSJFP-P46-1	MDM-15PS-A174	—	#26 (TPSJ)	AS	PSW_JFETV6_A -
HSJFP-J25-14	MDM-37PS-A174	—	HSJFP-P46-2	MDM-15PS-A174	—	#26 (TPSJ)	AT	PSW_BIAS5/6_A +
HSJFP-J25-32	MDM-37PS-A174	—	HSJFP-P46-4	MDM-15PS-A174	—	#26 (TPSJ)	AT	PSW_BIAS5/6_A -
HSJFP-J25-37	MDM-37PS-A174	—	HSJFP-P46-3	MDM-15PS-A174	—	#26 (TPSJ)	AU	PSW_HEATER_A3 +
HSJFP-J25-18	MDM-37PS-A174	—	HSJFP-P46-11	MDM-15PS-A174	—	#26 (TPSJ)	AU	PSW_HEATER_A3 -
HSJFP-J25-33	MDM-37PS-A174	—	HSJFP-P46-9	MDM-15PS-A174	—	#26 (SC)		PSW_BIAS5/6_A SHLD
HSJFP-J25-1	MDM-37PS-A174	—	HSJFP-J25-21	MDM-37PS-A174	—	#26 (SC)		PSW GROUND WIRE
HSJFP-J25-21	MDM-37PS-A174	—	HSJFP-J25-4	MDM-37PS-A174	—	#26 (SC)		PSW GROUND WIRE
HSJFP-J25-4	MDM-37PS-A174	—	HSJFP-J25-7	MDM-37PS-A174	—	#26 (SC)		PSW GROUND WIRE
HSJFP-J25-7	MDM-37PS-A174	—	HSJFP-J25-24	MDM-37PS-A174	—	#26 (SC)		PSW GROUND WIRE
HSJFP-J25-24	MDM-37PS-A174	—	HSJFP-J25-30	MDM-37PS-A174	—	#26 (SC)		PSW GROUND WIRE
HSJFP-J25-30	MDM-37PS-A174	—	HSJFP-J25-13	MDM-37PS-A174	—	#26 (SC)		PSW GROUND WIRE
HSJFP-J25-13	MDM-37PS-A174	—	HSJFP-J25-27	MDM-37PS-A174	—	#26 (SC)		PSW GROUND WIRE
HSJFP-J25-27	MDM-37PS-A174	—	HSJFP-J25-10	MDM-37PS-A174	—	#26 (SC)		PSW GROUND WIRE
HSJFP-J25-10	MDM-37PS-A174	—	HSJFP-J25-33	MDM-37PS-A174	—	#26 (SC)		PSW GROUND WIRE
HSJFP-J25-16	MDM-37PS-A174	—	HSJFP-J25-36	MDM-37PS-A174	—	#26 (SC)		PSW HEATER GROUND
HSJFP-J25-19	MDM-37PS-A174	—	—	—	—			NO CONNECTION



FROM	CONNECTOR PART NO.	CONTACT PART NO.	TO	CONNECTOR PART NO.	CONTACT PART NO.	WIRE AWG & TYPE	TWIST GROUPS	SIGNAL
HSJFP-J26-20	MDM-37PS-A174	—	HSJFP-P41-14	MDM-15PS-A174	—	#26 (TPSJ)	BA	PSW_JFETV1_B +
HSJFP-J26-2	MDM-37PS-A174	—	HSJFP-P41-8	MDM-15PS-A174	—	#26 (TPSJ)	BA	PSW_JFETV1_B -
HSJFP-J26-11	MDM-37PS-A174	—	HSJFP-P41-7	MDM-15PS-A174	—	#26 (TPSJ)	BB	PSW_BIAS1/2_B +
HSJFP-J26-29	MDM-37PS-A174	—	HSJFP-P41-5	MDM-15PS-A174	—	#26 (TPSJ)	BB	PSW_BIAS1/2_B -
HSJFP-J26-34	MDM-37PS-A174	—	HSJFP-P41-6	MDM-15PS-A174	—	#26 (TPSJ)	BC	PSW_HEATER_B1 +
HSJFP-J26-15	MDM-37PS-A174	—	HSJFP-P41-13	MDM-15PS-A174	—	#26 (TPSJ)	BC	PSW_HEATER_B1 -
HSJFP-J26-1	MDM-37PS-A174	—	HSJFP-P41-15	MDM-15PS-A174	—	#26 (SC)		PSW_JFETV1_B SHLD
HSJFP-J26-3	MDM-37PS-A174	—	HSJFP-P42-14	MDM-15PS-A174	—	#26 (TPSJ)	BD	PSW_JFETV2_B +
HSJFP-J26-22	MDM-37PS-A174	—	HSJFP-P42-8	MDM-15PS-A174	—	#26 (TPSJ)	BD	PSW_JFETV2_B -
HSJFP-J26-11	MDM-37PS-A174	—	HSJFP-P42-7	MDM-15PS-A174	—	#26 (TPSJ)	BE	PSW_BIAS1/2_B +
HSJFP-J26-29	MDM-37PS-A174	—	HSJFP-P42-5	MDM-15PS-A174	—	#26 (TPSJ)	BE	PSW_BIAS1/2_B -
HSJFP-J26-34	MDM-37PS-A174	—	HSJFP-P42-6	MDM-15PS-A174	—	#26 (TPSJ)	BF	PSW_HEATER_B1 +
HSJFP-J26-15	MDM-37PS-A174	—	HSJFP-P42-13	MDM-15PS-A174	—	#26 (TPSJ)	BF	PSW_HEATER_B1 -
HSJFP-J26-4	MDM-37PS-A174	—	HSJFP-P42-15	MDM-15PS-A174	—	#26 (SC)		PSW_JFETV3_B SHLD
HSJFP-J26-23	MDM-37PS-A174	—	HSJFP-P43-14	MDM-15PS-A174	—	#26 (TPSJ)	BG	PSW_JFETV3_B +
HSJFP-J26-5	MDM-37PS-A174	—	HSJFP-P43-8	MDM-15PS-A174	—	#26 (TPSJ)	BG	PSW_JFETV3_B -
HSJFP-J26-31	MDM-37PS-A174	—	HSJFP-P43-7	MDM-15PS-A174	—	#26 (TPSJ)	BH	PSW_BIAS3/4_B +
HSJFP-J26-12	MDM-37PS-A174	—	HSJFP-P43-5	MDM-15PS-A174	—	#26 (TPSJ)	BH	PSW_BIAS3/4_B -
HSJFP-J26-17	MDM-37PS-A174	—	HSJFP-P43-6	MDM-15PS-A174	—	#26 (TPSJ)	BJ	PSW_HEATER_B2 +
HSJFP-J26-35	MDM-37PS-A174	—	HSJFP-P43-13	MDM-15PS-A174	—	#26 (TPSJ)	BJ	PSW_HEATER_B2 -
HSJFP-J26-7	MDM-37PS-A174	—	HSJFP-P43-15	MDM-15PS-A174	—	#26 (SC)		PSW_JFETV5_B SHLD
HSJFP-J26-6	MDM-37PS-A174	—	HSJFP-P44-14	MDM-15PS-A174	—	#26 (TPSJ)	BK	PSW_JFETV4_B +
HSJFP-J26-25	MDM-37PS-A174	—	HSJFP-P44-8	MDM-15PS-A174	—	#26 (TPSJ)	BK	PSW_JFETV4_B -
HSJFP-J26-31	MDM-37PS-A174	—	HSJFP-P44-7	MDM-15PS-A174	—	#26 (TPSJ)	BL	PSW_BIAS3/4_B +
HSJFP-J26-12	MDM-37PS-A174	—	HSJFP-P44-5	MDM-15PS-A174	—	#26 (TPSJ)	BL	PSW_BIAS3/4_B -
HSJFP-J26-17	MDM-37PS-A174	—	HSJFP-P44-6	MDM-15PS-A174	—	#26 (TPSJ)	BM	PSW_HEATER_B2 +
HSJFP-J26-35	MDM-37PS-A174	—	HSJFP-P44-13	MDM-15PS-A174	—	#26 (TPSJ)	BM	PSW_HEATER_B2 -
HSJFP-J26-30	MDM-37PS-A174	—	HSJFP-P44-15	MDM-15PS-A174	—	#26 (SC)		PSW_BIAS1/2_B SHLD
HSJFP-J26-26	MDM-37PS-A174	—	HSJFP-P45-14	MDM-15PS-A174	—	#26 (TPSJ)	BN	PSW_JFETV5_B +
HSJFP-J26-8	MDM-37PS-A174	—	HSJFP-P45-8	MDM-15PS-A174	—	#26 (TPSJ)	BN	PSW_JFETV5_B -
HSJFP-J26-14	MDM-37PS-A174	—	HSJFP-P45-7	MDM-15PS-A174	—	#26 (TPSJ)	BP	PSW_BIAS5/6_B +
HSJFP-J26-32	MDM-37PS-A174	—	HSJFP-P45-5	MDM-15PS-A174	—	#26 (TPSJ)	BP	PSW_BIAS5/6_B -
HSJFP-J26-37	MDM-37PS-A174	—	HSJFP-P45-6	MDM-15PS-A174	—	#26 (TPSJ)	BR	PSW_HEATER_B3 +
HSJFP-J26-18	MDM-37PS-A174	—	HSJFP-P45-13	MDM-15PS-A174	—	#26 (TPSJ)	BR	PSW_HEATER_B3 -
HSJFP-J26-13	MDM-37PS-A174	—	HSJFP-P45-15	MDM-15PS-A174	—	#26 (SC)		PSW_BIAS3/4_B SHLD
HSJFP-J26-9	MDM-37PS-A174	—	HSJFP-P46-14	MDM-15PS-A174	—	#26 (TPSJ)	BS	PSW_JFETV6_B +
HSJFP-J26-28	MDM-37PS-A174	—	HSJFP-P46-8	MDM-15PS-A174	—	#26 (TPSJ)	BS	PSW_JFETV6_B -
HSJFP-J26-14	MDM-37PS-A174	—	HSJFP-P46-7	MDM-15PS-A174	—	#26 (TPSJ)	BT	PSW_BIAS5/6_B +
HSJFP-J26-32	MDM-37PS-A174	—	HSJFP-P46-5	MDM-15PS-A174	—	#26 (TPSJ)	BT	PSW_BIAS5/6_B -
HSJFP-J26-37	MDM-37PS-A174	—	HSJFP-P46-6	MDM-15PS-A174	—	#26 (TPSJ)	BU	PSW_HEATER_B3 +
HSJFP-J26-18	MDM-37PS-A174	—	HSJFP-P46-13	MDM-15PS-A174	—	#26 (TPSJ)	BU	PSW_HEATER_B3 -
HSJFP-J26-33	MDM-37PS-A174	—	HSJFP-P46-15	MDM-15PS-A174	—	#26 (SCSJ)		PSW_BIAS5/6_B SHLD
HSJFP-J26-1	MDM-37PS-A174	—	HSJFP-J26-21	MDM-37PS-A174	—	#26 (SC)		PSW GROUND WIRE
HSJFP-J26-21	MDM-37PS-A174	—	HSJFP-J26-4	MDM-37PS-A174	—	#26 (SC)		PSW GROUND WIRE
HSJFP-J26-4	MDM-37PS-A174	—	HSJFP-J26-7	MDM-37PS-A174	—	#26 (SC)		PSW GROUND WIRE
HSJFP-J26-7	MDM-37PS-A174	—	HSJFP-J26-24	MDM-37PS-A174	—	#26 (SC)		PSW GROUND WIRE
HSJFP-J26-24	MDM-37PS-A174	—	HSJFP-J26-30	MDM-37PS-A174	—	#26 (SC)		PSW GROUND WIRE
HSJFP-J26-30	MDM-37PS-A174	—	HSJFP-J26-13	MDM-37PS-A174	—	#26 (SC)		PSW GROUND WIRE
HSJFP-J26-13	MDM-37PS-A174	—	HSJFP-J26-27	MDM-37PS-A174	—	#26 (SC)		PSW GROUND WIRE
HSJFP-J26-27	MDM-37PS-A174	—	HSJFP-J26-10	MDM-37PS-A174	—	#26 (SC)		PSW GROUND WIRE
HSJFP-J26-10	MDM-37PS-A174	—	HSJFP-J26-33	MDM-37PS-A174	—	#26 (SC)		PSW GROUND WIRE
HSJFP-J26-16	MDM-37PS-A174	—	HSJFP-J26-36	MDM-37PS-A174	—	#26 (SC)		PSW HEATER GROUND
HSJFP-J26-19	MDM-37PS-A174	—	—	—	—			NO CONNECTION