



OPTIONAL OUTPUT CONNECTORS

FOR PUP60,80,110,130 & PMP60,110,130 SERIES

PROTEK

Unit: mm

SUFFIX	PROFILE & DIMENSIONS	PINOUTS	DESCRIPTION	SUGGESTED MATING CONNECTOR
NIL		<p>SINGLE OUTPUT: (1) -V (2) -V (3) +V (4) -V (5) +V (6) -V (7) +V (8) +V</p> <p>DUAL OUTPUTS: (1) COM (2) N.C. (3) V1 (4) N.C. (5) V2 (6) COM (7) V1 (8) N.C.</p> <p>TRIPLE OUTPUTS: (1) COM (2) V3 (3) V1 (4) N.C. (5) V2 (6) COM (7) V1 (8) N.C.</p> <p>QUAD OUTPUTS: (1) COM (2) V3 (3) V1 (4) V4 (5) V2 (6) COM (7) V1 (8) N.C.</p>	8 PINS AT 270°DIN MALE CONNECTOR	8 PINS CONTACTS AT 270°DIN RECEPTACLE, SWITCHCRAFT, TYPE: 62GB8F OR EQUIVALENT
B1		CENTER: +V SLEEVE: -V	BARREL FEMALE CONNECTOR	SWITCHCRAFT, TYPE: RA722 OR EQUIVALENT
B2		CENTER: +V SLEEVE: -V	BARREL FEMALE CONNECTOR	SWITCHCRAFT, TYPE: RA712 OR EQUIVALENT
B3		CENTER: -V SLEEVE: +V	BARREL FEMALE CONNECTOR	SWITCHCRAFT, TYPE: RA722 OR EQUIVALENT
B6		CENTER: +V SLEEVE: -V	BARREL RIGHT ANGLE FEMALE CONNECTOR	SWITCHCRAFT, TYPE: RA722 OR EQUIVALENT
B8		CENTER: +V SLEEVE: -V	BARREL FEMALE CONNECTOR	



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B10		CENTER: -V SLEEVE: +V	BARREL RIGHT ANGLE FEMALE CONNECTOR	SWITCHCRAFT, TYPE: RA722 OR EQUIVALENT
B11		CENTER: +V SLEEVE: -V	BARREL RIGHT ANGLE FEMALE CONNECTOR	SWITCHCRAFT, TYPE: RA722 OR EQUIVALENT
B12		CENTER: +V SLEEVE: -V	BARREL RIGHT ANGLE FEMALE CONNECTOR	SWITCHCRAFT, TYPE: RA722 OR EQUIVALENT
B24		CENTER: +V SLEEVE: -V	BARREL RIGHT ANGLE FEMALE CONNECTOR	SWITCHCRAFT, TYPE: RA722 OR EQUIVALENT
CI		CENTER: +V RIM: -V	FEMALE CIGARETTE CONNECTOR	MALE CIGARETTE CONNECTOR
D1		(1) V1 (2) V1 (3) V3 (4) V4 (5) V1 (6) COM (7) COM (8) COM (9) COM (10) V1 (11) V2 (12) V2 (13) COM (14) COM (15) V1	HIGH DENSITY D- SUB ENCLOSURE CONNECTOR	AMP P/N: 748390-5 OR EQUIVALENT
D3		(1) N.C. (2) +V (3) GND (4) -V (5) N.C. (6) +V (7) N.C. (8) N.C. (9) -V	D-SUBMINIATURE 9 PIN RECEPTACLE	D-SUBMINIATURE 9 PIN PLUG. AMP, TYPE: 205865 OR EQUIVALENT

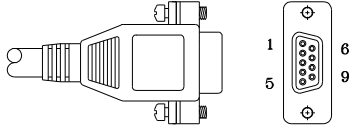
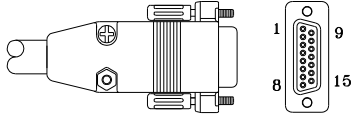
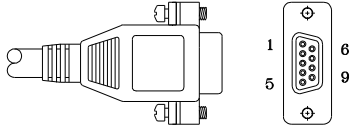


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D4		<p>SINGLE OUTPUT:</p> <p>(1) +V (2) +V (3) +V (4) +V (5) +V (6) -V (7) -V (8) -V (9) -V</p> <p>QUAD OUTPUTS:</p> <p>(1) V3 (2) V4 (3) V1 (4) COM (5) COM (6) V4 (7) COM (8) V1 (9) V2</p>	D-SUBMINIATURE 9 PIN RECEPTACLE	D-SUBMINIATURE 9 PIN PLUG. AMP, TYPE: 205865 OR EQUIVALENT
D5		<p>SINGLE OUTPUT:</p> <p>(1) +V (2) +V (3) +V (4) N.C. (5) N.C. (6) N.C. (7) N.C. (8) N.C. (9) -V (10) -V (11) -V (12) N.C. (13) N.C. (14) N.C. (15) N.C.</p> <p>DUAL OUTPUTS:</p> <p>(1) COM (2) V1 (3) N.C. (4) N.C. (5) N.C. (6) V2 (7) V2 (8) COM (9) V1 (10) COM (11) N.C. (12) N.C. (13) N.C. (14) COM (15) V1</p> <p>QUAD OUTPUTS:</p> <p>(1) COM (2) V1 (3) N.C. (4) V4 (5) N.C. (6) V2 (7) V2 (8) COM (9) V1 (10) COM (11) N.C. (12) V3 (13) V4 (14) COM (15) V1</p>	D-SUBMINIATURE 15 PIN RECEPTACLE	AMP D-SUBMINIATURE 15 PIN PLUG, TYPE: 745435-8
D6		<p>(1) +V (2) +V (3) GND (4) -V (5) -V (6) +V (7) GND (8) GND (9) -V</p>	D-SUBMINIATURE 9 PINS RECEPTACLE	D-SUBMINIATURE 9 PINS PLUG. AMP, TYPE: 205865 OR EQUIVALENT



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D7		(1) COM (2) COM (3) V1 (4) V1 (5) N.C. (6) V2 (7) V2 (8) V3 (9) V3	D-SUBMINIATURE 9 PINS RECEPTACLE	D-SUBMINIATURE 9 PINS PLUG. AMP, TYPE: 205865 OR EQUIVALENT
D8		(1) GND (2) +V (3) +V (4) +V (5) +V (6) -V (7) -V (8) -V (9) -V	D-SUBMINIATURE 9 PINS RECEPTACLE	D-SUBMINIATURE 9 PINS PLUG. AMP, TYPE: 205865 OR EQUIVALENT
F		(1) +V (2) -V (3) GND	AUDIO FEMALE CORD PLUG	SWITCHCRAFT, TYPE: A3M OR EQUIVALENT
F1		(1) +V (2) +V (3) -V (4) -V	AUDIO FEMALE CORD PLUG RIGHT ANGLE	SWITCHCRAFT, TYPE: A4M OR EQUIVALENT
F2		(1) GND (2) +V (3) -V	AUDIO MALE CORD PLUG	SWITCHCRAFT, TYPE: A3F OR EQUIVALENT
F4		(1) -V (2) +V (3) GND	AUDIO FEMALE CORD PLUG	SWITCHCRAFT, TYPE: A3M OR EQUIVALENT
HA		(1) +V (2) -V (3) N.C.	PLUG (3P) CIRCULAR CONNECTOR	HOSIDEN SOCKET, TYPE: TCS7960 OR EQUIVALENT
HB		(1) -V (2) +V (3) -V (4) +V	PLUG (4P) CIRCULAR CONNECTOR	HOSIDEN SOCKET, TYPE: TCS7979 OR EQUIVALENT
HF		(1) +V (2) -V (3) N.C.	SOCKET (3P) CIRCULAR CONNECTOR	HOSIDEN, TYPE: TCP8927



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HG		(1) -V (2) -V (3) +V (4) +V	PLUG (4P) CIRCULAR CONNECTOR	HOSIDEN SOCKET, TYPE: TCS7979 OR EQUIVALENT
HI		(1) +V (2) +V (3) -V (4) -V	PLUG (4P) CIRCULAR CONNECTOR	HOSIDEN SOCKET, TYPE: TCS7979 OR EQUIVALENT
J1		(1) N.C. (2) N.C. (3) +V (4) -V (5) N.C. (6) +V (7) N.C. (8) +V (9) -V (10) N.C. OR (1) -V (2) N.C. (3) -V (4) N.C. (5) +V (6) -V (7) N.C. (8) +V (9) N.C. (10) +V	MOLEX 5557-NR HOUSING USES 5556 TERMINAL, ORDER NO. 39-01-2100 OR EQUIVALENT	MOLEX 5566-NA HEADER ORDER NO.: 39-28-1103 OR EQUIVALENT
J2		(1) +V (2) -V (3) +V (4) -V (5) +V (6) -V (7) +V (8) -V	AMP MODULAR PLUGS 8-POSITION PLUG KEYED	MOLEX P/N: 15-43-9001 OR EQUIVALENT
J3		(1) +V (2) -V (3) GND	MOLEX: 03-06-2032 TERMINAL: 02-06-2103 (MALE)	MOLEX P/N: 03-06-1032 TERMINAL: 02-06-1103 (FEMALE)
J6		(1) -V (2) +V (3) N.C.	MOLEX MINI-FIT 3 PINS RECEPTACLE	MOLEX 5556 HEADER 39-30-2031 OR EQUIVALENT
J9		(1) N.C. (2) N.C. (3) N.C. (4) N.C. (5) +V (6) -V (7) N.C. (8) N.C.	MOLEX 5557-NR HOUSING USES 5556 TERMINAL, ORDER NO. 39-01-2080 OR EQUIVALENT	MOLEX 5566-NA HEADER ORDER NO.: 39-28-1083 OR EQUIVALENT
K1		(1) -V (2) -V (3) +V (4) -V (5) +V	5 PINS AT 180° DIN MALE WITH 30° LOCK RING CONNECTOR	SWITCHCRAFT, TYPE: 57HB5F OR EQUIVALENT

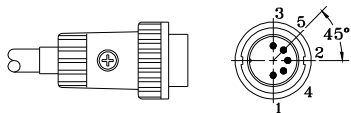
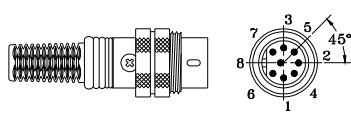
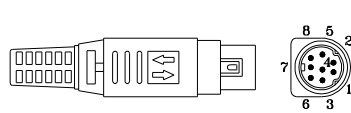
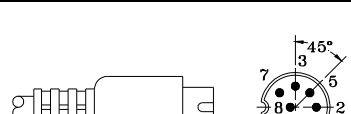
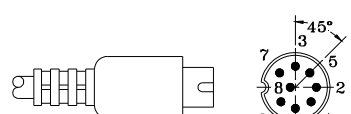
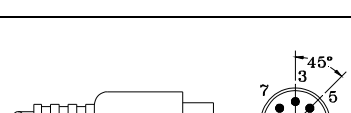


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K3		(1) COM (2) COM (3) V1 (4) V3 (5) V2	5 PINS AT 180°DIN MALE WITH 30°LOCK RING CONNECTOR	SWITCHCRAFT, TYPE: 57HB5F OR EQUIVALENT
K5		(1) -V (2) -V (3) +V (4) -V (5) +V (6) -V (7) +V (8) +V	8 PINS AT 270° CIRCULAR CONNECTOR WITH THREADED JOINT	LUMBERG P/N: KFV81 OR EQUIVALENT
M8		(1) +V (2) +V (3) -V (4) -V (5) -V (6) -V (7) N.C. (8) N.C.	8 PINS MINIATURE CIRCULAR CONNECTOR (QUICK LOCK TYPE)	HOSIDEN P/N: TCS6180-01-1010 OR EQUIVALENT
PF		SINGLE OUTPUT: (1) -V (2) -V (3) +V (4) -V (5) +V (6) -V (7) +V (8) P.G. DUAL OUTPUTS: (1) COM (2) N.C. (3) V1 (4) N.C. (5) V2 (6) COM (7) V1 (8) P.G. TRIPLE OUTPUTS: (1) COM (2) V3 (3) V1 (4) N.C. (5) V2 (6) COM (7) V1 (8) P.G. QUAD OUTPUTS: (1) COM (2) V3 (3) V1 (4) V4 (5) V2 (6) COM (7) V1 (8) P.G.	8 PINS AT 270°DIN MALE CONNECTOR	8 PINS CONTACTS AT 270°DIN RECEPTACLE, SWITCHCRAFT, TYPE: 62GB8F OR EQUIVALENT
Q01		(1) COM (2) V3 (3) V1 (4) V2 (5) V4 (6) COM (7) V1 (8) N.C.	8 PINS AT 270°DIN MALE CONNECTOR	8 PINS CONTACTS AT 270°DIN RECEPTACLE, SWITCHCRAFT, TYPE: 62GB8F OR EQUIVALENT
Q2		(1) +V (2) -V (3) -V (4) +V (5) -V (6) +V (7) -V (8) +V	8 PINS AT 270°DIN MALE CONNECTOR	8 PINS CONTACTS AT 270°DIN RECEPTACLE, SWITCHCRAFT, TYPE: 62GB8F OR EQUIVALENT



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Q6		DUAL OUTPUTS: (1) V1 (2) V1 (3) COM (4) COM (5) V2 (6) COM TRIPLE OUTPUTS: (1) V1 (2) V1 (3) COM (4) V3 (5) V2 (6) COM	6 PINS AT 240°DIN MALE CONNECTOR	6 PINS CONTACTS AT 240°DIN RECEPTACLE, SWITCHCRAFT, TYPE: 61GB6F OR EQUIVALENT
Q8		(1) +V (2) +V (3) -V (4) +V (5) -V (6) +V (7) -V (8) -V	8 PINS AT 270°DIN MALE CONNECTOR	8 PINS CONTACTS AT 270°DIN RECEPTACLE, SWITCHCRAFT, TYPE: 62GB8F OR EQUIVALENT
Q9		(1) V1 (2) GND (3) COM (4) V1 (5) COM (6) V2 (7) V3 (8) GND	8 PINS AT 270°DIN MALE CONNECTOR	8 PINS CONTACTS AT 270°DIN RECEPTACLE, SWITCHCRAFT, TYPE: 62GB8F OR EQUIVALENT
Q12		(1) -V (2) -V (3) +V (4) -V (5) +V	5 PINS AT 180°DIN MALE CONNECTOR	5 PINS CONTACTS AT 180°DIN RECEPTACLE, SWITCHCRAFT, TYPE: 57GB5F OR EQUIVALENT
Q13		(1) -V (2) GND (3) +V (4) -V (5) +V (6) N.C. (7) N.C. (8) GND	8 PINS AT 270°DIN MALE CONNECTOR	8 PINS CONTACTS AT 270°DIN RECEPTACLE, SWITCHCRAFT, TYPE: 62GB8F OR EQUIVALENT
Q14		(1) -V (2) -V (3) +V (4) -V (5) +V (6) -V (7) +V (8) +V	8 PINS AT 270°DIN MALE CONNECTOR	8 PINS CONTACTS AT 270°DIN RECEPTACLE, SWITCHCRAFT, TYPE: 62GB8F OR EQUIVALENT
Q16		(1) -V (2) GND (3) +V (4) -V (5) +V (6) -V (7) +V (8) GND	8 PINS AT 270°DIN MALE CONNECTOR	8 PINS CONTACTS AT 270°DIN RECEPTACLE, SWITCHCRAFT, TYPE: 62GB8F OR EQUIVALENT



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Q18		(1) COM (2) V3 (3) V1 (4) COM (5) V2 (6) COM (7) V1 (8) V2	8 PINS AT 270°DIN MALE CONNECTOR	8 PINS CONTACTS AT 270°DIN RECEPTACLE, SWITCHCRAFT, TYPE: 62GB8F OR EQUIVALENT
Q19		(1) -V (2) -V (3) +V (4) -V (5) +V (6) -V (7) +V (8) +V	8 PINS AT 270°DIN MALE CONNECTOR	8 PINS CONTACTS AT 270°DIN RECEPTACLE, SWITCHCRAFT, TYPE: 62GB8F OR EQUIVALENT
R1		(A) +V (B) GND (C) -V	DEUTSCH P/N: AFD56-08-33SN-059	DEUTSCH P/N: AFD56-08 -33PN-1A OR EQUIVALENT
R4		(A) +V (B) GND (C) -V	DEUTSCH P/N: AFD56-08-33SN-059	DEUTSCH P/N: AFD56-08 -33PN-1A OR EQUIVALENT
Y1		RED: +V BLACK: -V	SPADE TONGUE (Y-TYPE) TERMINAL	#8-32 OR M4 SCREW
Y2		BROWN: +V YELLOW: +V RED: +V BLACK: -V BLUE: -V WHITE: -V	SPADE TONGUE (Y-TYPE) TERMINAL	#8-32 OR M4 SCREW