



OPTIONAL OUTPUT CONNECTORS

FOR PUP30, PMP30 & PUP56 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</p> <p>DUAL OUTPUTS: (1) COM (2) COM (3) V1 (4) COM (5) V2</p> <p>TRIPLE OUTPUTS: (1) COM (2) COM (3) V1 (4) V3 (5) V2</p>	5 PIN AT 180°DIN MALE CONNECTOR	5 PIN CONTACTS AT 180°DIN RECEPTACLE, SWITCHCRAFT, TYPE: 57GB5F 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
B4		CENTER: -V SLEEVE: +V	BARREL FEMALE CONNECTOR	SWITCHCRAFT, TYPE: RA712 OR EQUIVALENT
B5		CENTER: +V SLEEVE: -V	BARREL RIGHT ANGLE FEMALE CONNECTOR	SWITCHCRAFT, TYPE: RA722 OR EQUIVALENT
B7		CENTER: +V SLEEVE: -V	BARREL FEMALE CONNECTOR	SWITCHCRAFT, TYPE: RA712 OR EQUIVALENT
B8		CENTER: +V SLEEVE: -V	BARREL RIGHT ANGLE FEMALE CONNECTOR	SWITCHCRAFT, TYPE: RA722 OR EQUIVALENT



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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 FEMALE CONNECTOR	Lumberg NEB 1 or NEB 1R or EQUIVALENT
B12		CENTER: +V SLEEVE: -V	BARREL RIGHT ANGLE FEMALE CONNECTOR	SWITCHCRAFT, TYPE: RA722 OR EQUIVALENT
B14		CENTER: +V SLEEVE: -V	EIAJ-02 PLUG, RIGHT ANGLE, 4.0mm OD, 1.7mm ID	Lumberg 1613 04 or NEB 1613 05 or EQUIVALENT
B16		CENTER: +V SLEEVE: -V	BARREL FEMALE CONNECTOR	SWITCHCRAFT, TYPE: RA722 OR EQUIVALENT
B17		CENTER: +V SLEEVE: -V	BARREL RIGHT ANGLE FEMALE CONNECTOR	SWITCHCRAFT, TYPE: RA712 OR EQUIVALENT
B19		CENTER: -V SLEEVE: +V	BARREL FEMALE CONNECTOR	SWITCHCRAFT, TYPE: RA722 OR EQUIVALENT
B20		CENTER: +V SLEEVE: -V	BARREL RIGHT ANGLE FEMALE CONNECTOR	SWITCHCRAFT, TYPE: RAPC732 OR EQUIVALENT
B22		CENTER: -V SLEEVE: +V	BARREL RIGHT ANGLE FEMALE CONNECTOR	SWITCHCRAFT, TYPE: RA722 OR EQUIVALENT



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B23		CENTER: +V SLEEVE: -V	EIAJ-02 PLUG, 4.0mm OD, 1.7mm ID	Lumberg 1613 04 or 1613 05 or EQUIVALENT
D		(1) N.C. (2) +V (3) +V (4) +V (5) +V (6) -V (7) -V (8) -V (9) -V	D-SUBMINIATURE 9 PIN RECEPTACLE	D-SUBMINIATURE 9 PIN PLUG. AMP, TYPE: 205865 OR EQUIVALENT
D3		(1) V2 (2) V2 (3) V1 (4) V1 (5) GND (6) COM (7) COM (8) COM (9) GND	D-SUBMINIATURE 9 PIN RECEPTACLE	D-SUBMINIATURE 9 PIN PLUG. AMP, TYPE: 205865 OR EQUIVALENT
D4		(1) COM (2) V1 (3) N.C. (4) V2 (5) N.C. (6) N.C. (7) N.C. (8) V3 (9) N.C.	D-SUBMINIATURE 9 PIN RECEPTACLE	D-SUBMINIATURE 9 PIN PLUG. AMP, TYPE: 205865 OR EQUIVALENT
D5		(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
D7		(1) -V (2) +V (3) N.C. (4) N.C. (5) +V (6) N.C. (7) N.C. (8) N.C. (9) -V	D-SUBMINIATURE 9 PIN RECEPTACLE	D-SUBMINIATURE 9 PIN PLUG. AMP, TYPE: 205865 OR EQUIVALENT
D8		(1) +V (2) +V (3) N.C. (4) -V (5) -V (6) N.C. (7) N.C. (8) N.C. (9) N.C.	D-SUBMINIATURE 9 PIN RECEPTACLE	D-SUBMINIATURE 9 PIN PLUG. AMP, TYPE: 205865 OR EQUIVALENT
D9		(1) V1 (2) N.C. (3) V3 (4) N.C. (5) V2 (6) N.C. (7) N.C. (8) COM (9) N.C.	D-SUBMINIATURE 9 PIN RECEPTACLE	D-SUBMINIATURE 9 PIN PLUG. AMP, TYPE: 205865 OR EQUIVALENT



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D11		(1) N.C. (2) +V (3) +V (4) +V (5) +V (6) -V (7) -V (8) -V (9) -V	D-SUBMINIATURE 9 PIN RECEPTACLE	D-SUBMINIATURE 9 PIN PLUG. AMP, TYPE: 205865 OR EQUIVALENT
DT		(1) +V (2) +V (3) -V (4) -V (5) -V (6) +V (7) -V (8) +V (9) -V	D-SUBMINIATURE 9 PIN RECEPTACLE	D-SUBMINIATURE 9 PIN PLUG. AMP, TYPE: 205865 OR EQUIVALENT
F		SINGLE OUTPUT: (1) +V (2) -V (3) N.C. DUAL OUTPUTS: (1) V1 (2) COM (3) V2	AUDIO FEMALE CORD PLUG	SWITCHCRAFT, TYPE: A3M OR EQUIVALENT
F4		(1) GND (2) +V (3) -V	AUDIO MALE CORD PLUG	SWITCHCRAFT, TYPE: A3F OR EQUIVALENT
HA		(1) +V (2) -V (3) N.C.	PLUG (3P) CIRCULAR CONNECTOR	HOSIDEN SOCKET, TYPE: TCS7960 OR EQUIVALENT
HB		SINGLE OUTPUT: (1) +V (2) +V (3) -V (4) -V DUAL OUTPUTS: (1) V1 (2) V2 (3) COM (4) COM	PLUG (4P) CIRCULAR CONNECTOR	HOSIDEN SOCKET, TYPE: TCS7979 OR EQUIVALENT
HC		(1) +V (2) -V (3) -V	PLUG (3P) CIRCULAR CONNECTOR	HOSIDEN SOCKET, TYPE: TCS7960 OR EQUIVALENT
HG		(1) +V (2) -V (3) N.C. (4) N.C.	PLUG (4P) CIRCULAR CONNECTOR	HOSIDEN SOCKET, TYPE: TCS7979 OR EQUIVALENT



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HI		(1) +V (2) N.C. (3) -V (4) -V	PLUG (4P) CIRCULAR CONNECTOR	HOSIDEN SOCKET, TYPE: TCS7979 OR EQUIVALENT
H1		(1) V1 (2) COM (3) COM (4) V2 (5) N.C. (6) N.C.	HIROSE SOCKET P/N: RM12BPG-6S	HIROSE PLUG P/N: RM12BRD-6PH OR EQUIVALENT
J1		(1) COM (2) V2 (3) COM (4) V1	4P-OVERMOLDED 3.96mm PITCH HOUSING	MOLEX HEADER 09-65-2048 OR EQUIVALENT
J2		(1) -V (2) N.C. (3) +V (4) GND	PHOENIX CONTACT MSTB 2,5/4-ST-5,08 PLUGS	PHOENIX HEADERS MSTB 2,5/4-G-5,08
J8		(1) +V (2) -V	MOLEX HEADER MINI-FIT 2 PIN	MOLEX RECEPTACLE, 39-01-2020 OR EQUIVALENT
J9		(1) +V (2) -V (3) GND	3.96mm PITCH HOUSING	MOLEX HEADER 09-65-2038 OR EQUIVALENT
K1		SINGLE OUTPUT: (1) -V (2) -V (3) +V (4) -V (5) +V DUAL OUTPUTS: (1) COM (2) COM (3) V1 (4) COM (5) V2 TRIPLE OUTPUTS: (1) COM (2) COM (3) V1 (4) V3 (5) V2	5 PIN AT 180° DIN MALE WITH 30° LOCK RING CONNECTOR	SWITCHCRAFT, TYPE: 57HB5F OR EQUIVALENT

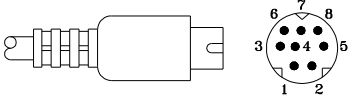
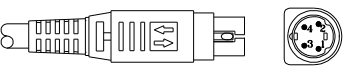
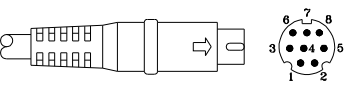
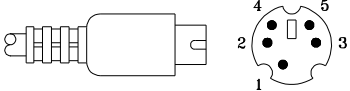
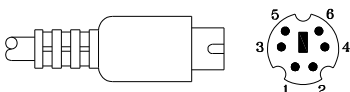
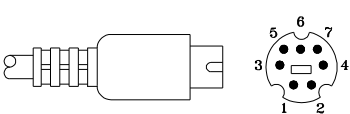
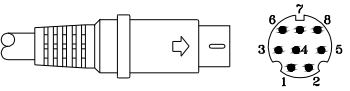


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M		SINGLE OUTPUT: (1) +V (2) +V (3) -V (4) -V (5) -V (6) -V (7) N.C. (8) N.C. TRIPLE OUTPUTS: (1) V1 (2) V1 (3) V1 (4) V2 (5) V3 (6) COM (7) COM (8) COM	8 PIN MINIATURE CIRCULAR CONNECTOR (MINI DIN)	HOSIDEN, TYPE: TCS7587, TCS7588, TCS7589, OR EQUIVALENT
M1		(1) +V (2) -V (3) +V (4) -V	4 PIN MINIATURE CIRCULAR CONNECTOR (MINI DIN)	HOSIDEN, TYPE: TCS7547, TCS7548, TCS7549, OR EQUIVALENT
M2		(1) +V (2) +V (3) +V (4) +V (5) -V (6) -V (7) -V (8) -V	8 PIN MINIATURE CIRCULAR CONNECTOR (MINI DIN)	HOSIDEN, TYPE: TCS7587, TCS7588, TCS7589, OR EQUIVALENT
M5		(1) V1 (2) V1 (3) V2 (4) COM (5) N.C.	5 PIN MINIATURE CIRCULAR CONNECTOR (MINI DIN)	HOSIDEN, TYPE: TCS7557, TCS7558, TCS7559, OR EQUIVALENT
M6		SINGLE OUTPUT: (1) -V (2) +V (3) -V (4) +V (5) -V (6) +V TRIPLE OUTPUTS: (1) COM (2) COM (3) V1 (4) V1 (5) V2 (6) V3	6 PIN MINIATURE CIRCULAR CONNECTOR (MINI DIN)	HOSIDEN, TYPE: TCS7567, TCS7568, TCS7569, OR EQUIVALENT
M7		(1) V2 (2) COM (3) V1 (4) COM (5) V1 (6) V3 (7) COM	7 PIN MINIATURE CIRCULAR CONNECTOR (MINI DIN)	HOSIDEN, TYPE: TCS7577, TCS7578, TCS7579, OR EQUIVALENT
M8		(1) V1 (2) V1 (3) V1 (4) V2 (5) V3 (6) COM (7) COM (8) COM	8 PIN MINIATURE CIRCULAR CONNECTOR (MINI DIN)	HOSIDEN, TYPE: TCS7587, TCS7588, TCS7589, OR EQUIVALENT



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M9		(1) +V (2) +V (3) +V (4) +V (5) -V (6) -V (7) -V (8) -V	8 PIN MINIATURE CIRCULAR CONNECTOR (MINI DIN)	HOSIDEN, TYPE: TCS7587, TCS7588, TCS7589, OR EQUIVALENT
M12		(1) V1 (2) COM (3) V2 (4) V1 (5) COM	5 PIN MINIATURE CIRCULAR CONNECTOR (MINI DIN)	HOSIDEN, TYPE: TCS7557, TCS7558, TCS7559, OR EQUIVALENT
M13		(1) V1 (2) V1 (3) V1 (4) V2 (5) V2 (6) COM (7) COM	7 PIN MINIATURE CIRCULAR CONNECTOR (MINI DIN)	HOSIDEN, TYPE: TCS7577, TCS7578, TCS7579, OR EQUIVALENT
P1		TIP: +V SLEEVE: -V	.141" MINIATURE PHONE PLUG	SWITCHCRAFT .141" MINIATURE PHONE JACK, TYPE: 125 OR EQUIVALENT
Q1		(1) COM (2) V1 (3) V2 (4) COM (5) V3	5 PIN AT 180°DIN MALE CONNECTOR	5 PIN CONTACTS AT 180°DIN RECEPTACLE, SWITCHCRAFT, TYPE: 57GB5F OR EQUIVALENT
Q2		(1) +V (2) N.C. (3) -V (4) +V (5) -V	5 PIN AT 180°DIN MALE CONNECTOR	5 PIN CONTACTS AT 180°DIN RECEPTACLE, SWITCHCRAFT, TYPE: 57GB5F OR EQUIVALENT
Q3		(1) COM (2) COM (3) V1 (4) V3 (5) V2	5 PIN AT 180°DIN MALE CONNECTOR WITH GROUND KEY-RIB	5 PIN CONTACTS AT 180°DIN RECEPTACLE, SWITCHCRAFT, TYPE: 57GB5F OR EQUIVALENT
Q5		SINGLE OUTPUT: (1) +V (2) -V (3) -V (4) +V (5) -V TRIPLE OUTPUTS: (1) COM (2) COM (3) V3 (4) V1 (5) V2	5 PIN AT 180°DIN MALE CONNECTOR	5 PIN CONTACTS AT 180°DIN RECEPTACLE, SWITCHCRAFT, TYPE: 57GB5F OR EQUIVALENT
Q6		(1) +V (2) +V (3) +V (4) -V (5) -V (6) -V	6 PIN AT 240°DIN MALE CONNECTOR	6 PIN CONTACTS AT 240°DIN RECEPTACLE, SWITCHCRAFT, TYPE: 61GB6F OR EQUIVALENT

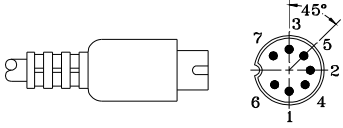
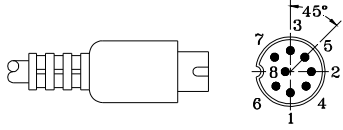
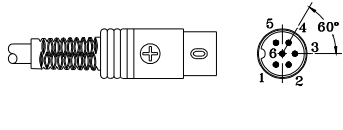
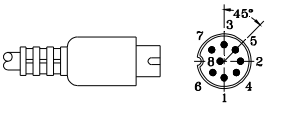
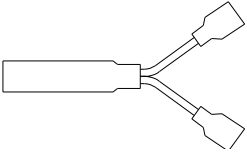
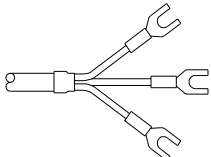


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Q7		(1) +V (2) N.C. (3) -V (4) +V (5) N.C. (6) N.C. (7) -V	7 PIN AT 270°DIN MALE CONNECTOR	7 PIN CONTACTS AT 270°DIN RECEPTACLE, SWITCHCRAFT, TYPE: 62GB7F OR EQUIVALENT
Q8		SINGLE OUTPUT: (1) -V (2) GND (3) +V (4) -V (5) +V (6) -V (7) +V (8) GND DUAL OUTPUTS: (1) V1 (2) GND (3) COM (4) V1 (5) COM (6) V2 (7) N.C. (8) GND	8 PIN AT 270°DIN MALE CONNECTOR	8 PIN CONTACTS AT 270°DIN RECEPTACLE, SWITCHCRAFT, TYPE: 62GB8F OR EQUIVALENT
Q9		(1) V3 (2) V2 (3) V2 (4) COM (5) V1 (6) COM	6 PIN AT 240°DIN MALE CONNECTOR WITH GROUND KEY-RIB	6 PIN CONTACTS AT 240°DIN RECEPTACLE, SWITCHCRAFT, TYPE: 61GB6F OR EQUIVALENT
Q11		(1) V1 (2) GND (3) COM (4) V2 (5) V3 (6) V1 (7) COM (8) GND	8 PIN AT 270°DIN MALE CONNECTOR	8 PIN CONTACTS AT 270°DIN RECEPTACLE, SWITCHCRAFT, TYPE: 62GB8F OR EQUIVALENT
R1		RED: +V WHITE: -V	0.156" DIAMETER MALE BULLET SNAP PLUG	
Y1		RED: +V WHITE: -V GREEN: GND	SPADE TONGUE (Y-TYPE) TERMINAL	#8-32 OR M4 SCREW