



PCB CONTACT

REVISIONS LIST				
REV	ECO #	DESCRIPTION	DATE	APV'D
A		Initial Release		
B		Corrected PC Tail Length & Added PC Tail Diameters	07/24/17	RLM
C		Changed PC Spill Contacts to PCB Contacts	10/15/18	RLM
D		Add New Insert Material	03/20/20	RLM

**SPECIFICATIONS**

Mechanical

Engagement Force-Torque (Max)	.902-4.97 N-m
Disengagement Force-Torque (Min)	.113-.791 N-m
Durability	500 Cycles
Insert Retention	5.3 Kg/cm <sup>2</sup>
Contact Retention (Min)	
20 Gauge	67 N
16 Gauge	113 N
Contact Engagement Force (Max)	
20 Gauge	5.0 N
16 Gauge	8.34 N
Contact Separation Force (Min)	
20 Gauge	.195 N
16 Gauge	.556 N

Electrical

Current Rating (Max)	
20 Gauge	7.5A
16 Gauge	22.0A
Contact Resistance	As specified in Table VII MIL-DTL-26482
Insulation Resistance (@500 VDC)	
(25°C)	5000 MΩ
Short Time (125°C)	3 MΩ
Long Time (105°C)	12 MΩ
Dielectric Withstanding Voltage (Working)	
SL (Service Rating I)	600 VAC (rms)
(Service Rating II)	1000 VAC (rms)
70,000 Ft (Service Rating I)	300 VAC (rms)
(Service Rating II)	450 VAC (rms)

Environmental

Operating Temperature	-55°C - +125°C
Air Leakage (@2.11 Kg/cm <sup>2</sup> )	<4.55X10 <sup>-3</sup> cm <sup>3</sup> /s
Salt Spray (@35°C)	48 Hrs
Vibration (10-2000Hz)	12 Hrs
Shock (Peak Acceleration)	490 m/s <sup>2</sup> (50g's)

NOTE: Service Rating is identified on each insert arrangement

Shell Size	A MAX	B +0.79 -0.00	C ±0.41	D MAX	E +0.79 -0.41	F TP	G MAX	H ±0.127	L MAX	M Max	N ±0.50		O ±0.05	
											Pin	Socket	16AWG	20AWG
8	12.04	10.95	1.57	8.99	11.12	15.09	21.03	3.05	24.84	8.99	4.80	4.20	N/A	0.76
10	15.01	10.95	1.57	8.99	14.27	18.26	24.23	3.05	24.84	8.99	4.80	4.20	N/A	0.76
12	19.08	10.95	1.57	8.99	17.48	20.62	26.59	3.05	24.84	8.99	4.80	4.20	1.3	0.76
14	22.25	10.95	1.57	8.99	20.62	23.01	28.98	3.05	24.84	8.99	4.80	4.20	1.3	0.76
16	25.43	10.95	1.57	8.99	23.83	24.61	31.34	3.05	24.84	8.99	4.80	4.20	1.3	0.76
18	28.60	10.95	1.57	8.99	26.97	26.97	33.73	3.05	24.84	8.99	4.80	4.20	1.3	0.76
20	31.78	14.12	2.39	10.59	30.17	29.36	36.91	3.05	30.38	10.59	8.30	7.80	1.3	0.76
22	34.95	14.12	2.39	10.59	33.32	31.75	40.08	3.05	30.38	10.59	8.30	7.80	1.3	0.76
24	38.12	14.96	2.39	11.30	36.53	34.93	43.26	3.73	30.38	11.30	8.30	7.80	1.3	0.76

NOTE: Other PCB Contact Lengths Are Available Upon Request

UNIT: mm	DRWN: RLM	THIRD ANGLE PROJECTION 		1170 S. PATTON ST. XENIA, OHIO 45385 PH: (937) 374-2700 FX: (937) 374-2717		
SCALE: NTS	DATE: 02/06/14				THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF SPI AND SHALL NOT BE COPIED, USED OR RE-PRODUCED WITHOUT PERMISSION.	
	CHK'D: RLM					TITLE
SHEET: 1 OF 1	APV'D: RLM					26482 Box Mount Receptacle
		S P I P / N : SPI02EXX-XXXX-XX		REV: D		
		CUSTOMER P / N:				