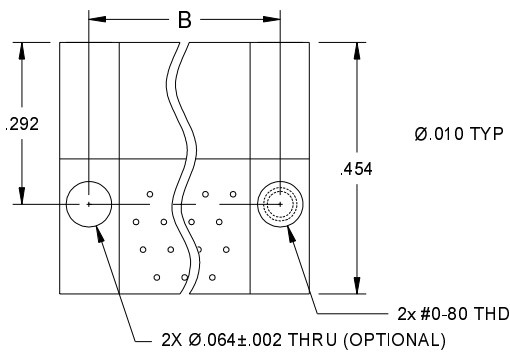
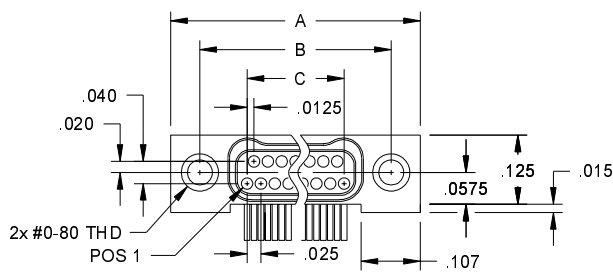
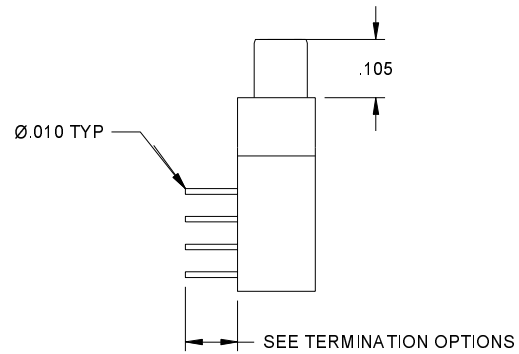
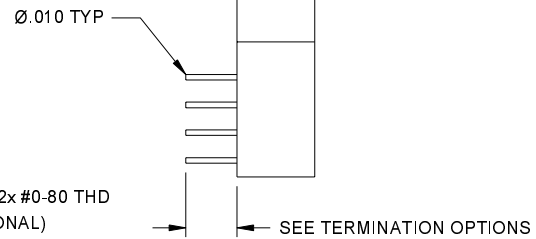


**PLUG**



**RECEPTACLE**

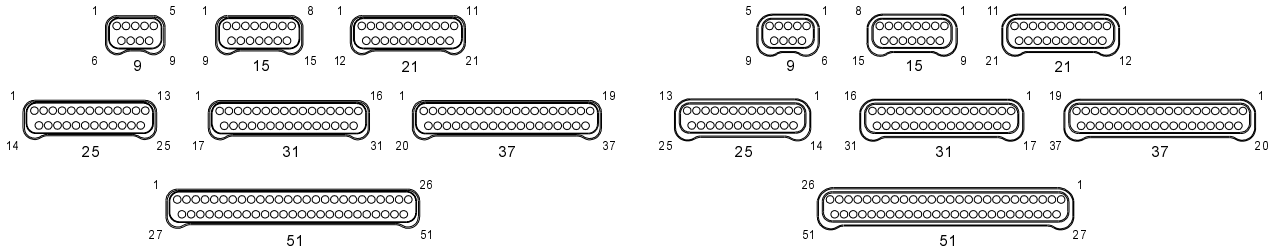


NO. OF CONTACTS	A	B	C MAX
9	.375	.270	.100
15	.450	.345	.175
21	.525	.420	.250
25	.575	.470	.300
31	.650	.545	.375
37	.725	.620	.450
51	.900	.795	.625

(FOR PLUG AND RECEPTACLE PCB LAYOUTS, SEE SHEETS 3 AND 4)

CRISTEK INTERCONNECTS, INC. www.cristek.com 1301 S. Lewis St. Anaheim, CA 92805 Phone: (714) 618-2000 FAX: (714) 535-4897	TITLE	NANO METAL SHELL DUAL ROW RIGHT ANGLE BOARD MOUNT			DWG. NO.	BRN2	
	FILENAME	ADS-BRN2-1	CODE IDENT NO.	67720	SHT	1 OF 4	REV
			TOLERANCE: .XXX ±.005 .XX ±.01 ANGLE ±1°				

## 2.2 NANO CONNECTORS / MOTS



PLUG FACE

RECEPTACLE FACE

**BRN 2 - ## # - T # # - #**

NANO METAL SHELL  
RIGHT ANGLE BOARD MOUNT

BODY STYLE  
2 = DUAL ROW

NUMBER OF CONTACTS  
09 25 51  
15 31  
21 37

GENDER  
P = PLUG, PIN CONTACTS  
S = RECEPTACLE, SOCKET CONTACTS

HARDWARE  
T = THREADED INSERT (NON-REMOVABLE)

SHELL FINISH  
A = CADMIUM  
B = NICKEL  
G = GOLD

TERMINATIONS  
1 = .109 ±.015  
2 = .140 ±.015  
3 = .172 ±.015  
4 = .190 ±.015  
} ALL 30 AWG HOT TIN DIPPED

PCB MOUNTING METHOD  
T = #0-80 THREADED INSERT  
(OMIT FOR THROUGH HOLE)

**1. MATERIALS:**

SHELL - ALUMINUM PER QQ-A-200/8, QQ-A-250/11, OR QQ-A-591  
INSULATOR - LIQUID CRYSTAL POLYMER OR POLYPHENYLENE  
SULFIDE PER MIL-M-24519  
CONTACT - BERYLLIUM COPPER

**2. FINISH:**

SHELL - CADMIUM PER QQ-P-416, TYPE II, CLASS 3 OVER  
ELECTROLESS NICKEL PER AMS 2404  
OR ELECTROLESS NICKEL PER AMS 2404.  
CONTACT - GOLD PER MIL-G-45204, TYPE II, GRADE C,  
CLASS I OVER NICKEL PER QQ-N-290.

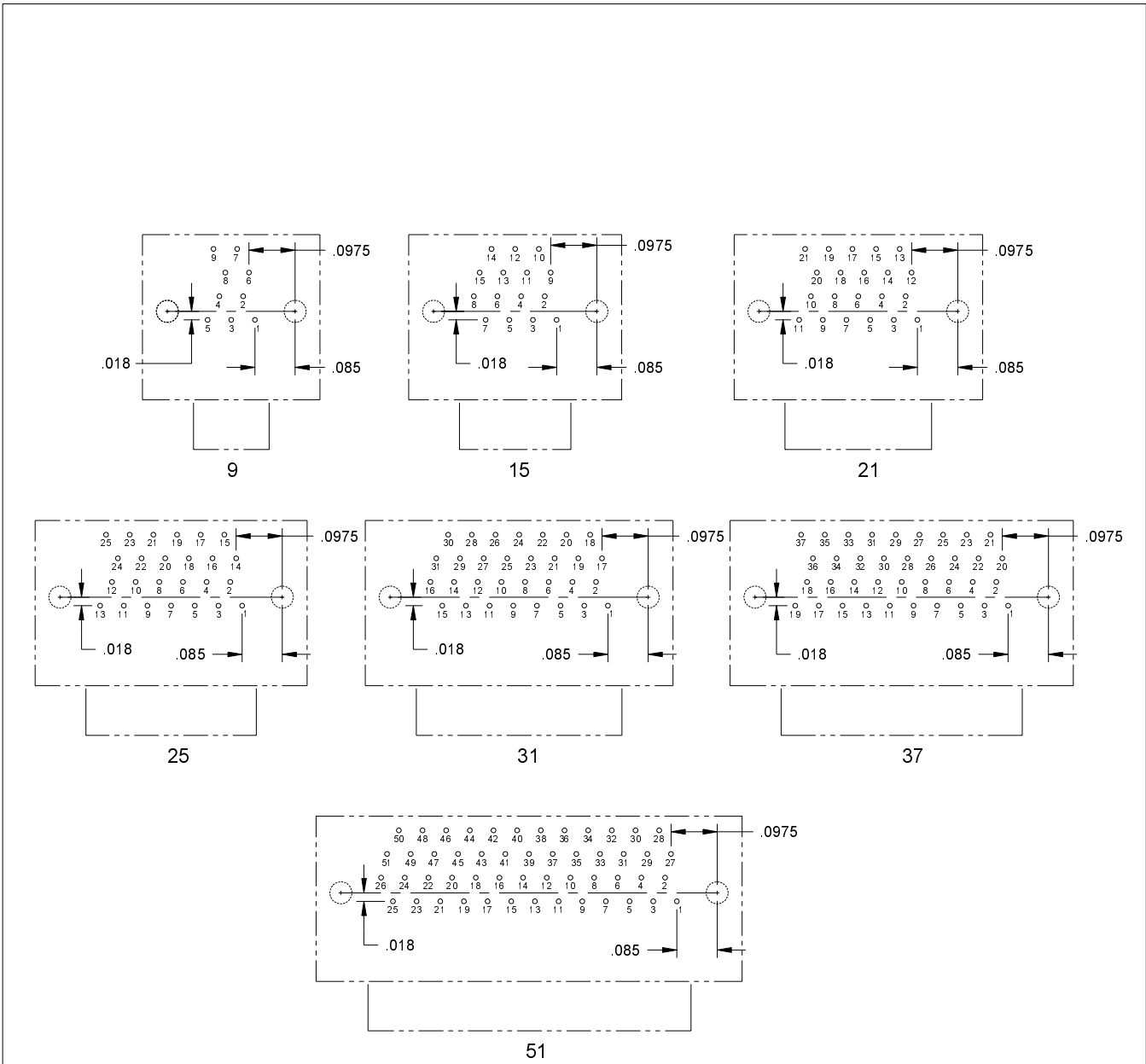
**3. SPECIFICATIONS:**

CURRENT RATING ..... 1 AMP MAX  
TEMPERATURE RATING ..... -55° C TO +125° C  
INSULATION RESISTANCE ..... 5000 MEGOHMS  
DWV AT SEA LEVEL ..... 250 VAC  
DWV AT 70,000 FT ALTITUDE --- 100 VAC  
CONTACT RESISTANCE ..... 30 mV DROP @ 1 a, 10 mA  
(BASED ON SOLID WIRE)  
CONTACT RETENTION ..... 2 LBS AXIAL LOAD  
ENGAGEMENT FORCE ..... 5 oz MAX  
SEPARATION FORCE ..... 0.4 oz MIN

**4. ADDITIONAL INFORMATION:**

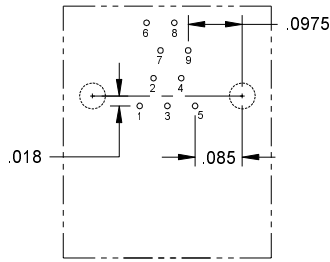
FOR OTHER TERMINATIONS, CONTACT CRISTEK.

CRISTEK INTERCONNECTS, INC. www.cristek.com 1301 S. Lewis St. Anaheim, CA 92805 Phone: (714) 618-2000 FAX: (714) 535-4897	FILENAME <b>NANO METAL SHELL DUAL ROW RIGHT ANGLE BOARD MOUNT</b>	DWG. NO. <b>BRN2</b>		
	DWG. NO. <b>ADS-BRN2-2</b>	CODE IDENT NO. <b>67720</b>	SHT <b>2</b> OF <b>4</b>	REV <b>A</b>
		TOLERANCE: .XXX ±.005 .XX ±.01 ANGLE ±1°		

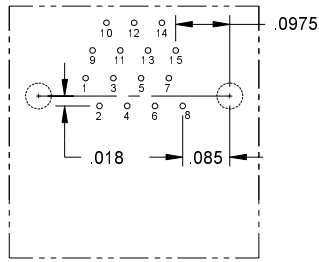


**BRN2 PLUG PCB LAYOUTS (BOTTOM VIEW OF RECEPTACLE)**  
 .050 X .050 GRID PATTERN OFFSET .025 (EACH ROW)

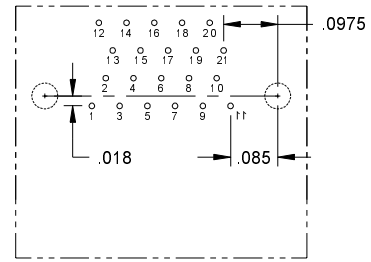
CRISTEK INTERCONNECTS, INC. www.cristek.com 1301 S. Lewis St. Anaheim, CA 92805 Phone: (714) 618-2000 FAX: (714) 535-4897	TITLE <b>NANO METAL SHELL                  DUAL ROW RIGHT ANGLE                  BOARD MOUNT</b>		DWG. NO. <b>BRN2</b>	
	FILENAME <b>ADS-BRN2-3</b>		CODE IDENT NO. <b>67720</b>	SHT <b>3</b> OF <b>4</b> REV <b>A</b>
			TOLERANCE: .XXX ±.005 .XX ±.01 ANGLE ±1°	



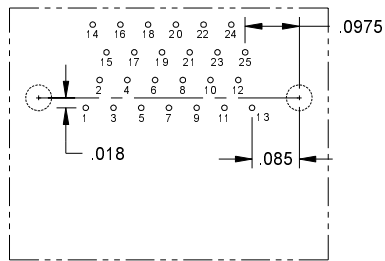
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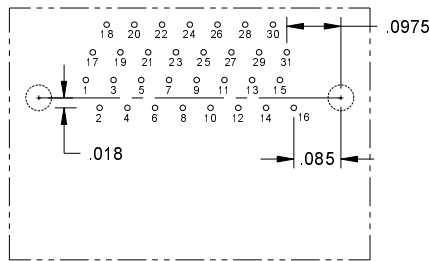
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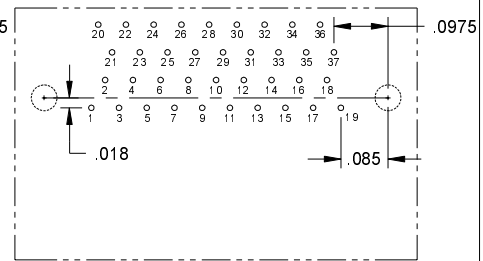
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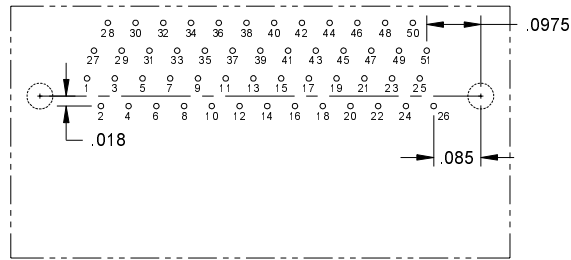
25



31



37



51

**BRN2 RECEPTACLE PCB LAYOUTS (BOTTOM VIEW OF PLUG)**  
 .050 X .050 GRID PATTERN OFFSET .025 (EACH ROW)

CRISTEK INTERCONNECTS, INC. www.cristek.com 1301 S. Lewis St. Anaheim, CA 92805 Phone: (714) 618-2000 FAX: (714) 535-4897	TITLE	DWG. NO. <b>BRN2</b>			
	NANO METAL SHELL DUAL ROW RIGHT ANGLE BOARD MOUNT		CODE IDENT NO. <b>67720</b>	SHT <b>4</b> OF <b>4</b>	REV <b>A</b>
	FILENAME	TOLERANCE: .XXX ±.005 .XX ±.01 ANGLE ±1°			
ADS-BRN2-4					