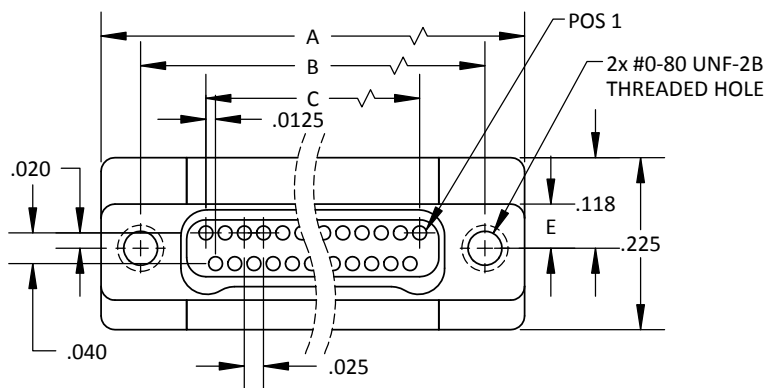
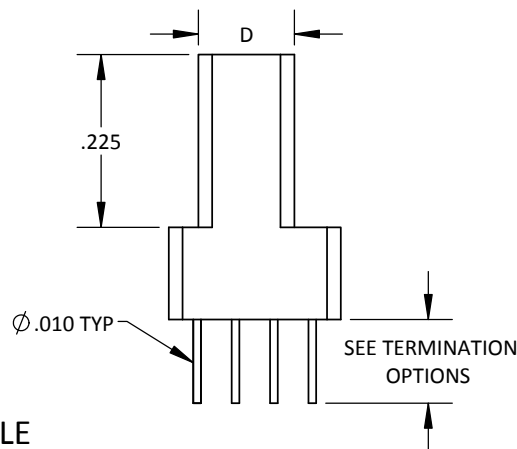
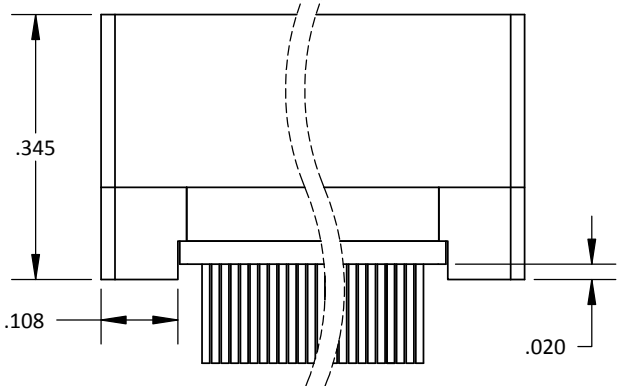


PLUG



NO. OF CONTACTS	A	B	C	D	E
9	.375	.270	.100	.125	.0575
15	.450	.345	.175		
21	.525	.420	.250		
25	.575	.470	.300		
31	.650	.545	.375		
37	.725	.620	.450		
51	.900	.795	.625	.150	.070
65	1.075	.970	.800		
69	1.125	1.020	.850		
85	1.377	1.246	1.050	.150	.070
91	1.452	1.321	1.125		



RECEPTACLE

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

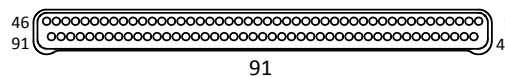
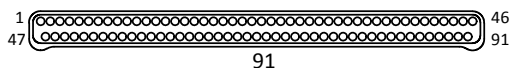
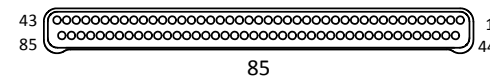
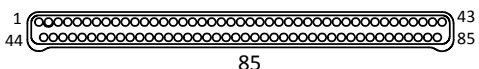
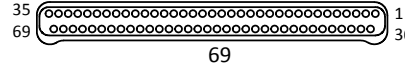
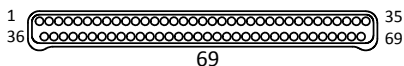
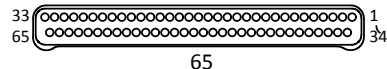
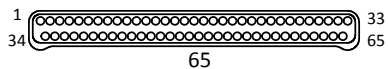
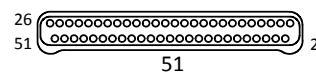
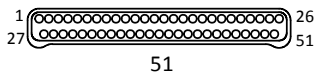
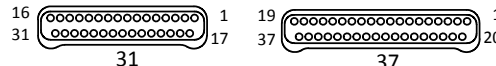
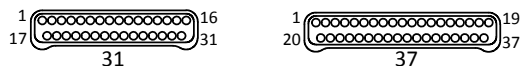
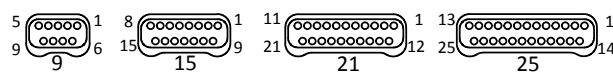
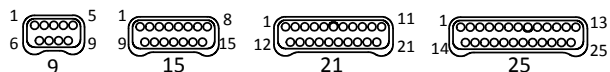
TOLERANCE: .XXX ± .005
.XX ± .01
ANGLE ± 1°

TITLE NANO METAL SHELL
DUAL ROW VERTICAL
BOARD MOUNT

SHT 1 OF 4

DWG. NO. BVN2

REV G



PLUG FACE

RECEPTACLE FACE

BVN 2 - XX X - T X X - T

NANO METAL SHELL
VERTICAL BOARD MOUNT

BODY STYLE
2 = DUAL ROW

NUMBER OF CONTACTS
09 25 51 85
15 31 65 91
21 37 69

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

HARDWARE
T = THREADED HOLE

PCB MOUNTING METHOD
T = #0-80 THREADED INSERT

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

SHELL FINISH
ALUMINUM
A = CADMIUM
B = NICKEL
C = ZINC-NICKEL
G = GOLD
STAINLESS STEEL
P = PASSIVATE
TITANIUM
T = TITANIUM (FINISH N/A)

MATERIALS AND FINISHES ARE IAW MIL-DTL-32139
FOR DETAILS SEE MIL SPEC OR WWW.CRISTEK.COM

1. MATERIALS:

SHELL - ALUMINUM ALLOY OR STAINLESS STEEL
OR TITANIUM
INSULATOR - LIQUID CRYSTAL POLYMER OR
GLASS FILLED THERMOPLASTIC
CONTACT - COPPER ALLOY

2. FINISH:

SHELL - ELECTROLESS NICKEL OR CADMIUM OVER
ELECTROLESS NICKEL OR PASSIVATE OR
GOLD OR ZINC-NICKEL
CONTACT - GOLD OVER NICKEL

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 ----- 71 mV DROP MAX @ 1 A
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.

5. SIZE 85 & 91 HARDWARE IS #2-56

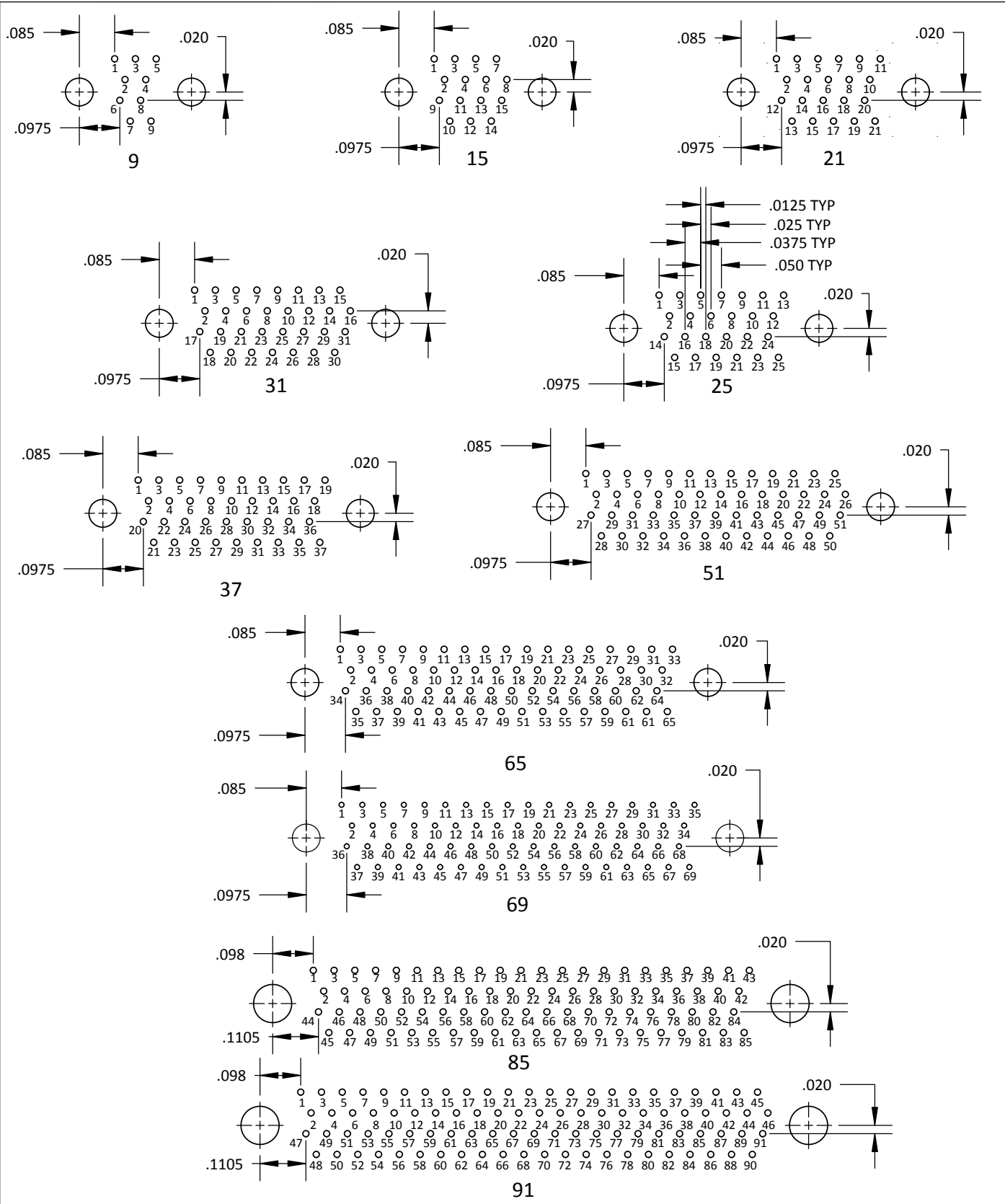
TOLERANCE: .XXX ±.005
.XX ±.01
ANGLE ±1°

TITLE
**NANO METAL SHELL
DUAL ROW VERTICAL
BOARD MOUNT**

SHT 2 OF 4

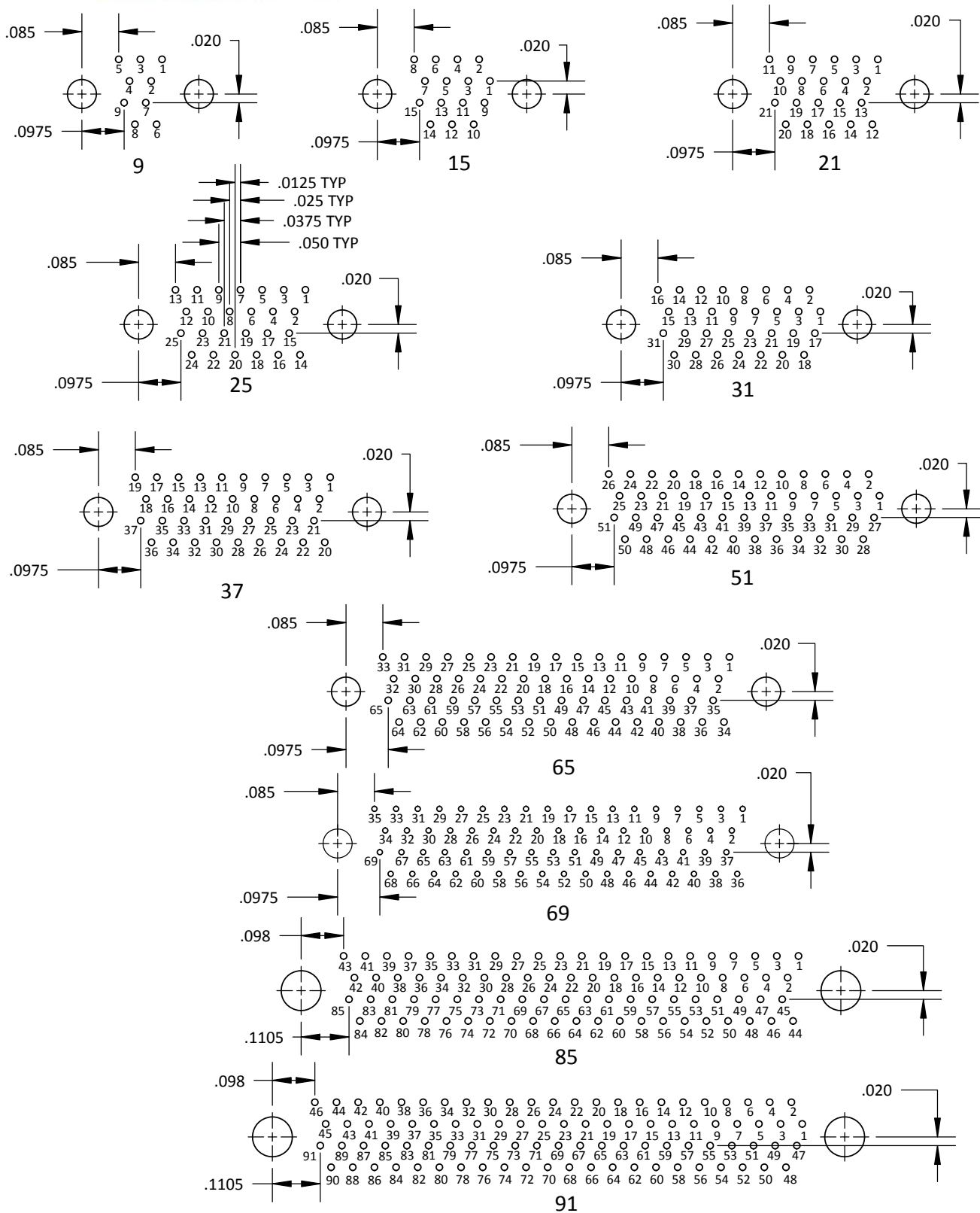
DWG. NO.
BVN2

REV
G



BVN2 PLUG PCB LAYOUTS
 .050 X .050 GRID PATTERN OFFSET .025 (EACH ROW)

TOLERANCE: .XXX ±.005 .XX ±.01 ANGLE ±1°	TITLE NANO METAL SHELL DUAL ROW VERTICAL BOARD MOUNT	SHT 3 OF 4	DWG. NO. BVN2	REV G
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BVN2 RECEPTACLE PCB LAYOUTS
.050 X .050 GRID PATTERN OFFSET .025 (EACH ROW)

TOLERANCE: .XXX ±.005 .XX ±.01 ANGLE ±1°	TITLE NANO METAL SHELL DUAL ROW VERTICAL BOARD MOUNT	SHT 4 OF 4	DWG. NO. BVN2	REV G
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