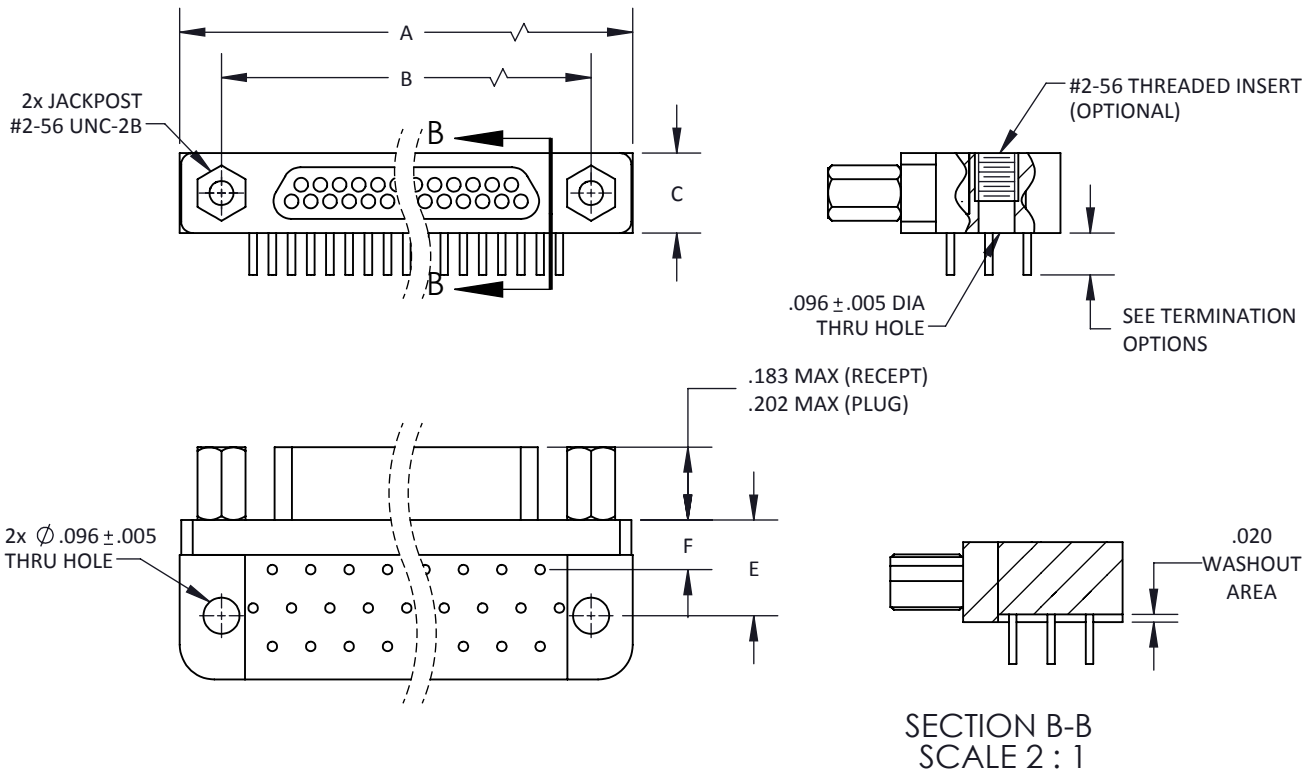
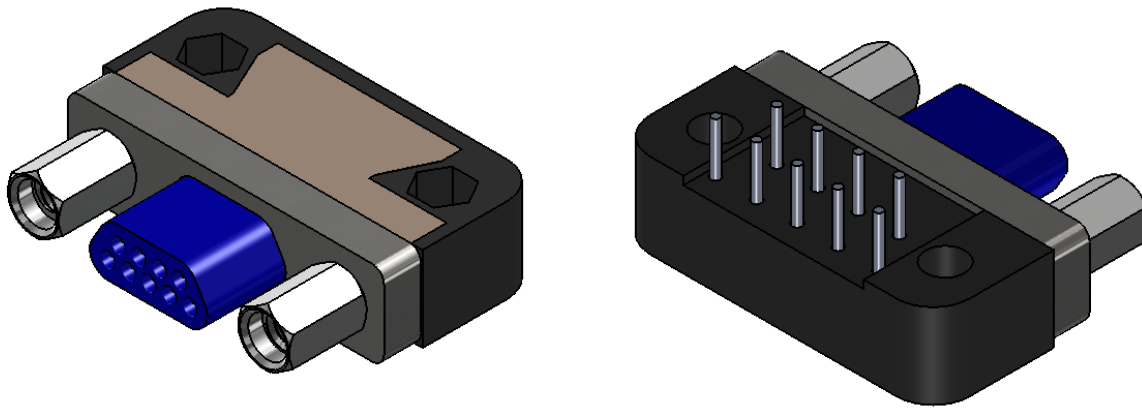


NO. OF POSITIONS	A MAX	B NOM	C MAX	D MAX	E ±.01	F ±.01
9	.790	.565	.230	.425	.25	.23
15	.940	.715	.230	.425	.25	.13
21	1.090	.865	.230	.425	.25	.13
25	1.190	.965	.230	.425	.25	.13
31	1.340	1.115	.230	.525	.25	.13
37	1.550	1.265	.230	.525	.25	.13
51	1.440	1.215	.275	.660	.30	.15



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

TITLE
**MICRO-D HYBRID SHELL
RIGHT ANGLE P.C.B. MOUNT**

SHT 1 OF 4

DWG. NO.
HBR

REV
D

HBR - X XXX - X X X T

MICRO-D HYBRID
RIGHT ANGLE BOARD MOUNT

GENDER
1 = RECEPTACLE, SOCKET CONTACTS
2 = PLUG, PIN CONTACTS

NUMBER OF CONTACTS
009 025 051
015 031
021 037

SHELL HARDWARE
0 = NO HARDWARE
1 = JACKPOST PER M83513/05-07

SHELL FINISH
A = CADMIUM
B = NICKEL

TERMINATIONS
1 = .109 ±.015
2 = .140 ±.015
3 = .172 ±.015
4 = .190 ±.015
5 = .250 ±.015

ALL 24 AWG (.020 DIA)
HOT SOLDER DIPPED

PCB MOUNTING METHOD
T = #2-56 THREADED INSERT
OMIT FOR THROUGH HOLE

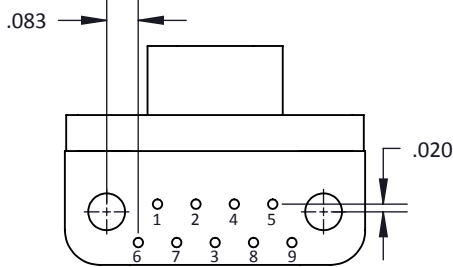
MATERIALS AND FINISHES ARE IAW MIL-DTL-83513
FOR DETAILS SEE MIL SPEC OR WWW.CRISTEK.COM

1. MATERIALS:
SHELL - ALUMINUM ALLOY
INSULATOR / BACKSHELL - GLASS FILLED THERMOPLASTIC
PIN/SOCKET CONTACT - COPPER ALLOY
2. FINISH:
SHELL - SEE OPTIONS ABOVE
PIN/SOCKET CONTACT - GOLD OVER NICKEL

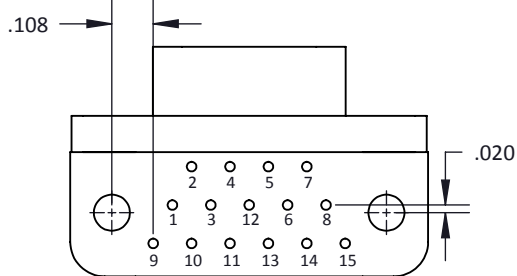
3. SPECIFICATIONS:
CURRENT RATING ----- 3 AMPS MAX
TEMPERATURE RATING ----- -55° C TO +125° C
INSULATION RESISTANCE ----- 5000 MEGOHMS MIN
DWV AT SEA LEVEL ----- 600 VAC
DWV AT 70,000 FT ALTITUDE --- 150 VAC
CONTACT RESISTANCE ----- 24 AWG = 25 MILLIOHMS MAX.
CONTACT RETENTION ----- 5 lb MINIMUM AXIAL LOAD
ENGAGEMENT FORCE ----- 6 oz MAX
SEPARATION FORCE ----- 0.5 oz MIN

4. ADDITIONAL INFORMATION:
DESIGN AND PERFORMANCE IN GENERAL
ACCORDANCE WITH M83513 WHERE APPLICABLE.
CONTACT CRISTEK FOR OTHER CONFIGURATIONS.

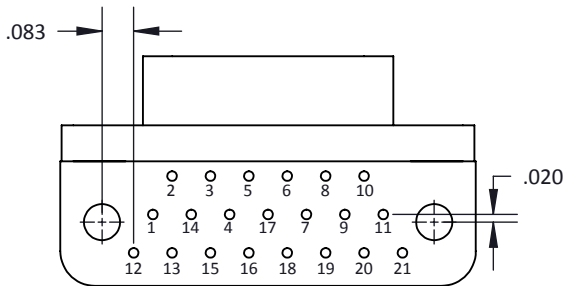
TOLERANCE: .XXX ±.005 .XX ±.01 ANGLE ±1°	TITLE MICRO-D HYBRID SHELL RIGHT ANGLE P.C.B. MOUNT	SHT 2 OF 4	DWG. NO. HBR	REV D
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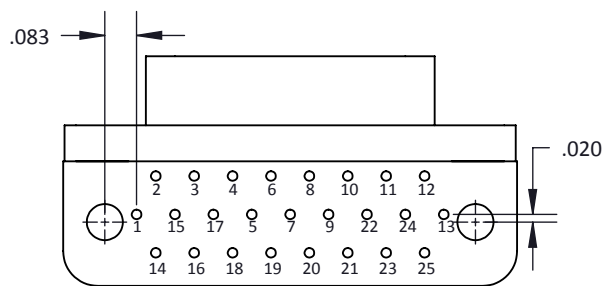
9 CONTACTS



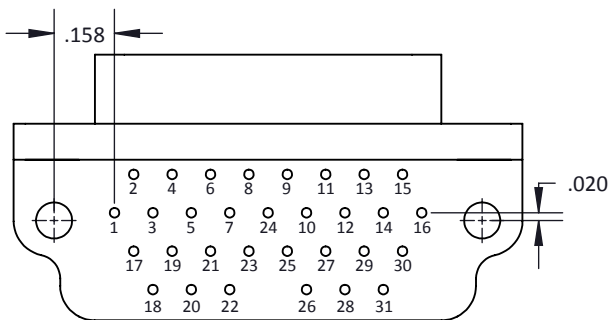
15 CONTACTS



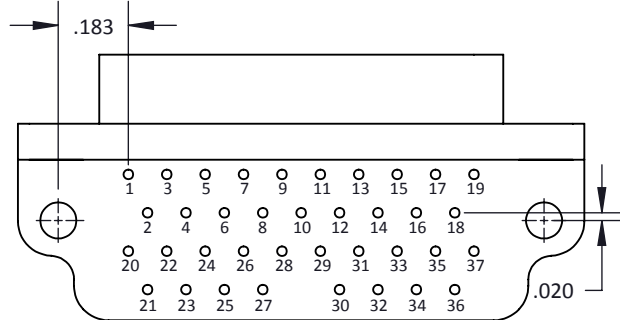
21 CONTACTS



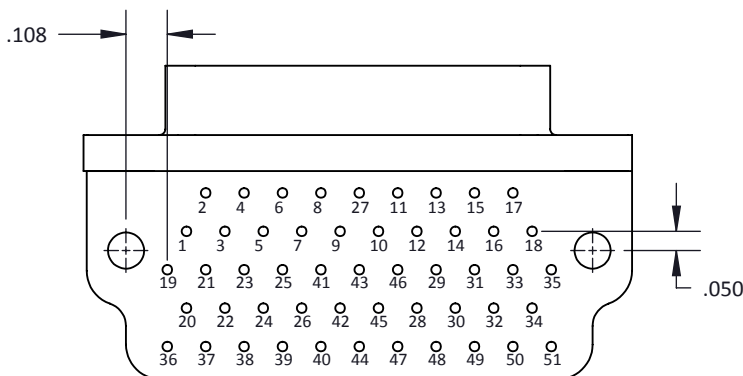
25 CONTACTS



31 CONTACTS



37 CONTACTS



51 CONTACTS

HBR PLUG PCB LAYOUT
0.100 X 0.100 GRID PATTERN OFFSET 0.050

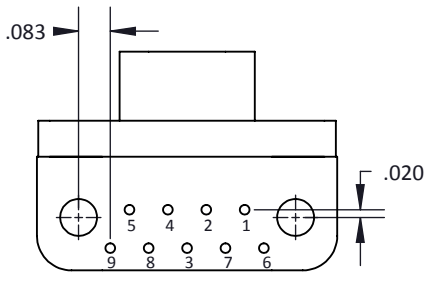
TOLERANCE: .XXX ±.005
.XX ±.01
ANGLE ±1°

TITLE
MICRO-D HYBRID SHELL
RIGHT ANGLE P.C.B. MOUNT

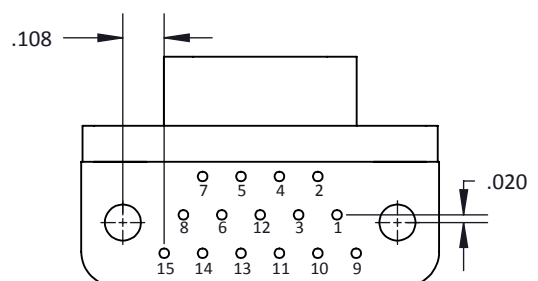
SHT 3 OF 4

DWG. NO.
HBR

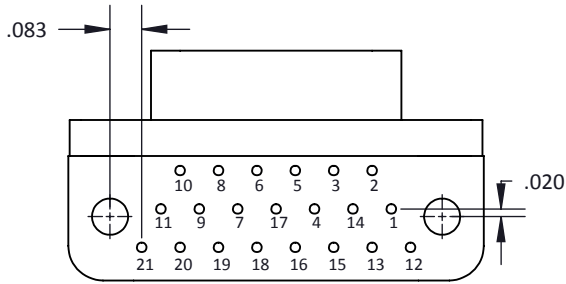
REV
D



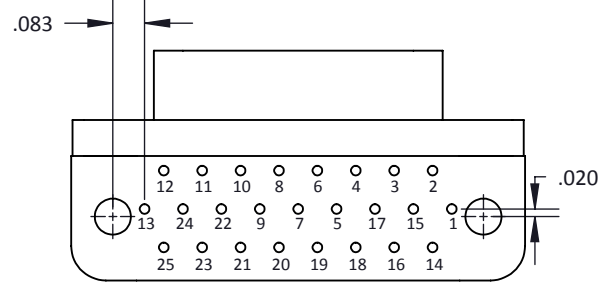
9 CONTACTS



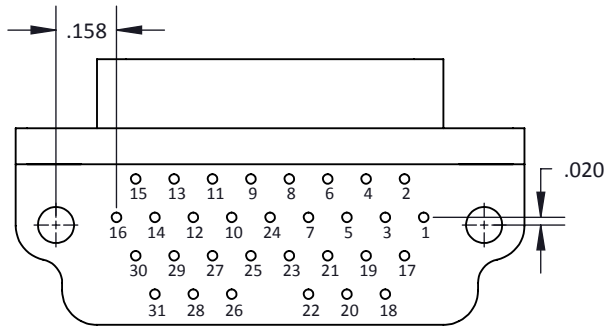
15 CONTACTS



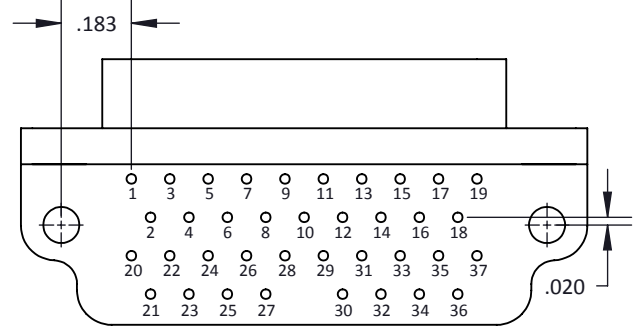
21 CONTACTS



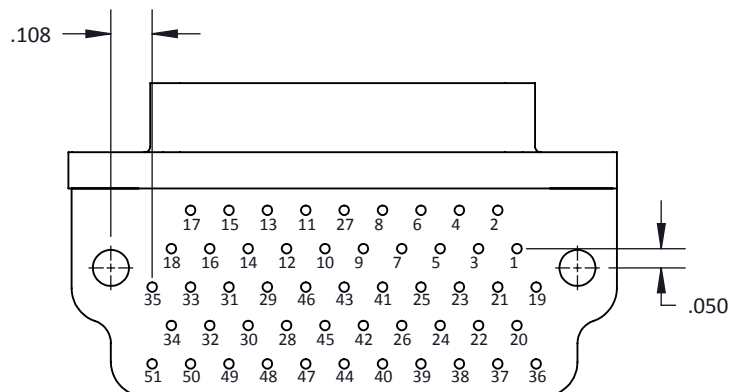
25 CONTACTS



31 CONTACTS



37 CONTACTS



51 CONTACTS

HBR RECEPTACLE PCB LAYOUT
0.100 X 0.100 GRID PATTERN OFFSET 0.050

<p>TOLERANCE: .XXX ±.005 .XX ±.01 ANGLE ±1°</p>	<p>TITLE MICRO-D HYBRID SHELL RIGHT ANGLE P.C.B. MOUNT</p>	<p>SHT 4 OF 4</p>	<p>DWG. NO. HBR</p>	<p>REV D</p>
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