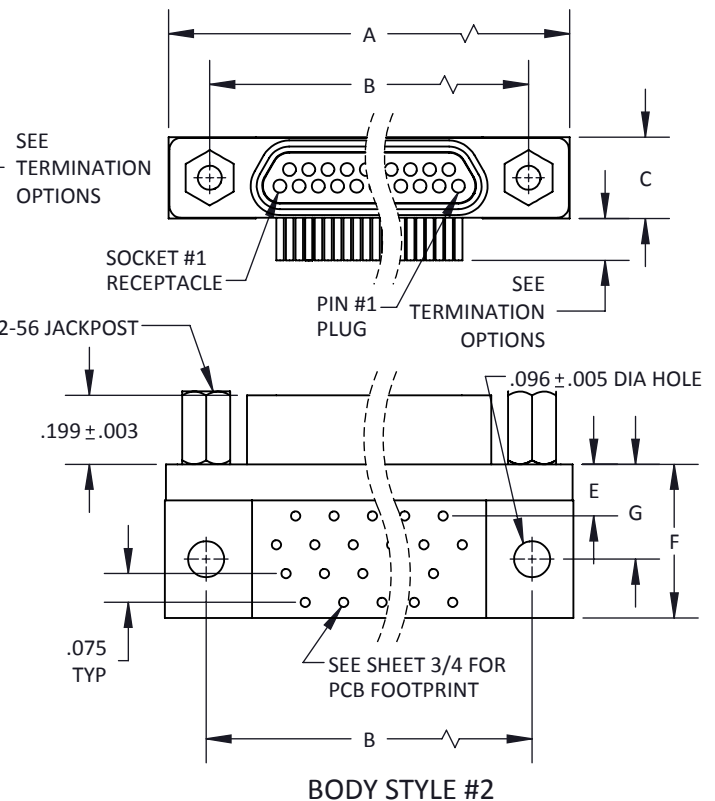
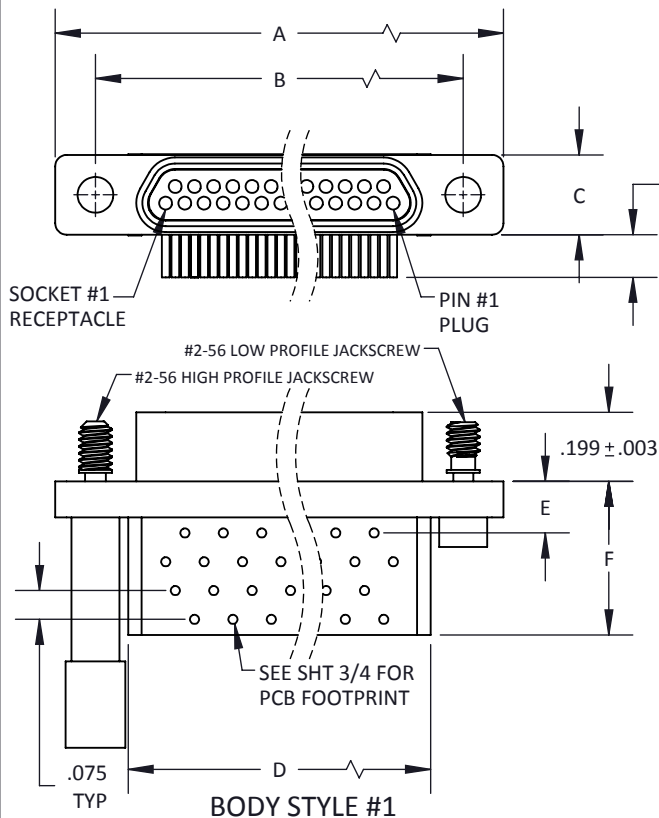
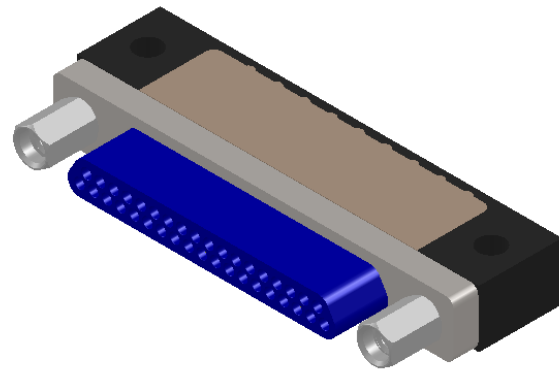
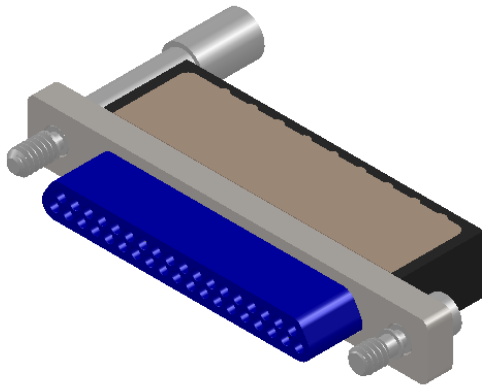
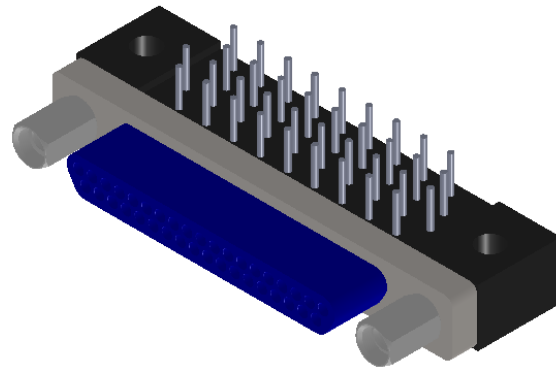


**MICRO-D HYBRID SHELL
RIGHT ANGLE BOARD MOUNT, CONDENSED**

NO. OF CONTACTS	A MAX	B BSC	C MAX	D MAX	E MAX	F MAX	G MAX
9	.788	.565	.218	.400	.138	.410	.250
15	.938	.715	.218	.550	.138	.410	.250
21	1.088	.865	.218	.700	.138	.410	.250
25	1.188	.965	.218	.800	.138	.410	.250
31	1.338	1.115	.218	.950	.138	.410	.250
37	1.488	1.265	.218	1.100	.138	.410	.250
51	1.438	1.215	.260	1.045	.145	.500	.295



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

TITLE
**MICRO-D HYBRID SHELL
RIGHT ANGLE BOARD MOUNT,
CONDENSED**

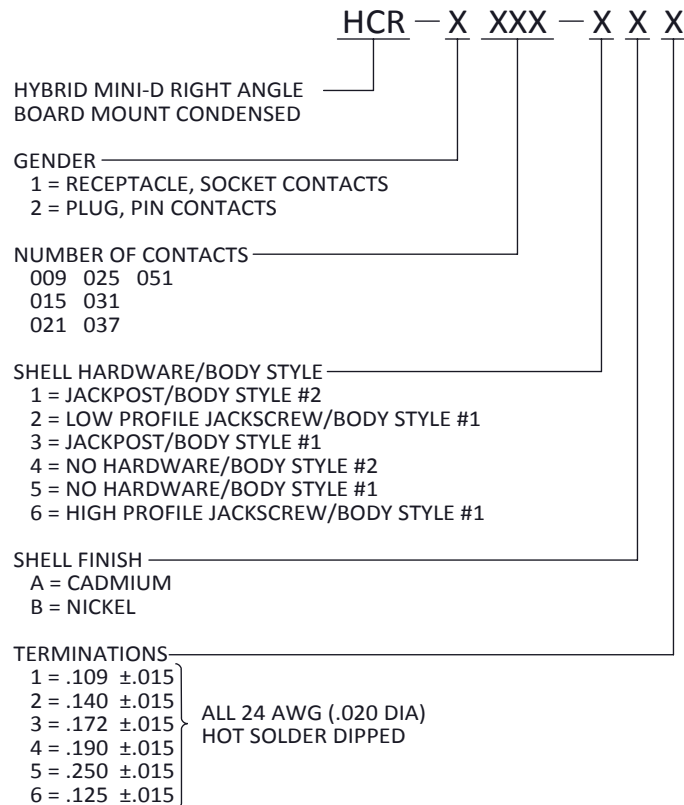
SHT 1 OF 4

DWG. NO.

HCR

REV

D



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 - ELECTROLESS NICKEL OR CADMIUM
OVER ELECTROLESS NICKEL
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°

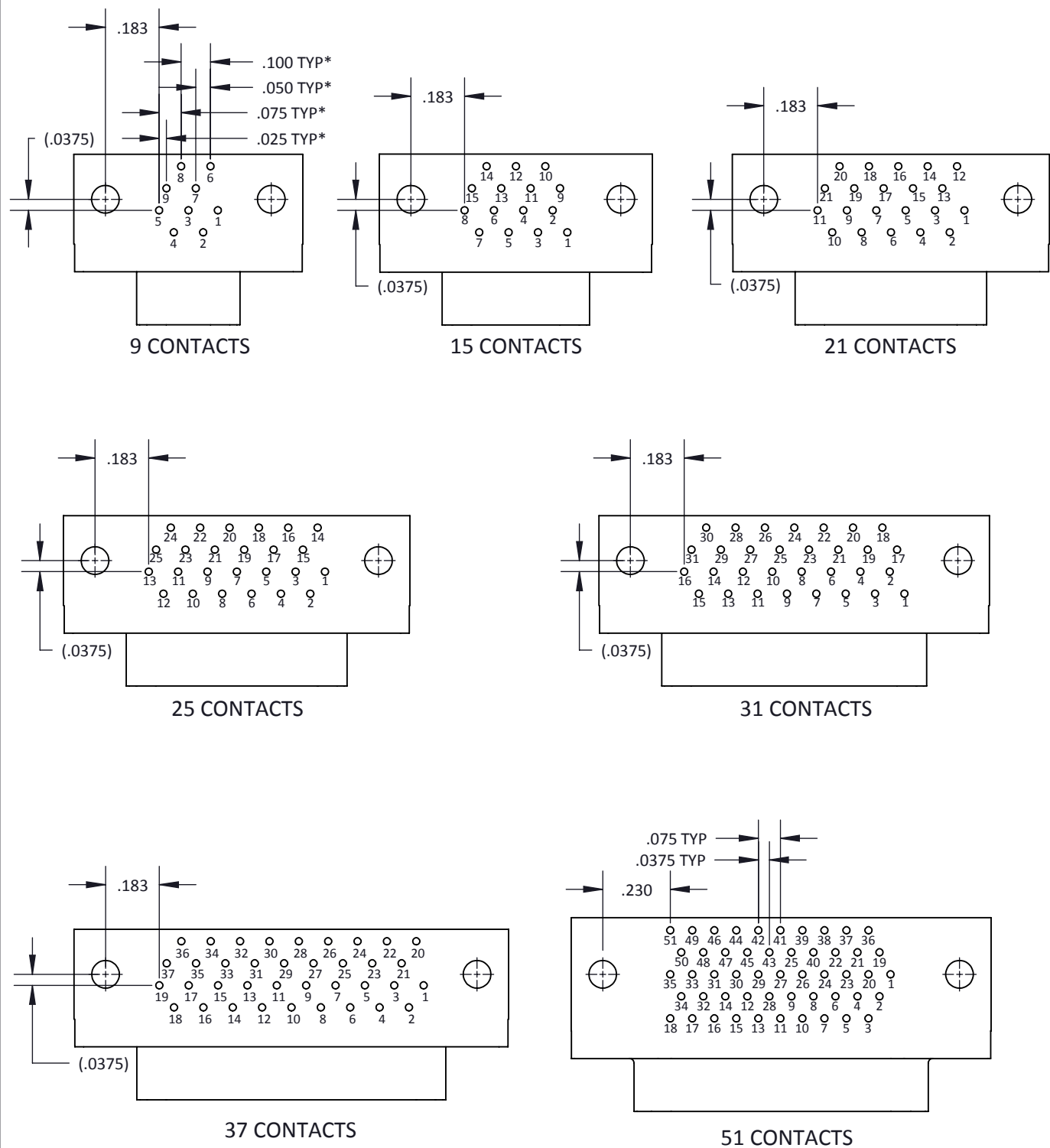
TITLE
**MICRO-D HYBRID SHELL
RIGHT ANGLE BOARD MOUNT,
CONDENSED**

SHT 2 OF 4

DWG. NO.
HCR

REV
D

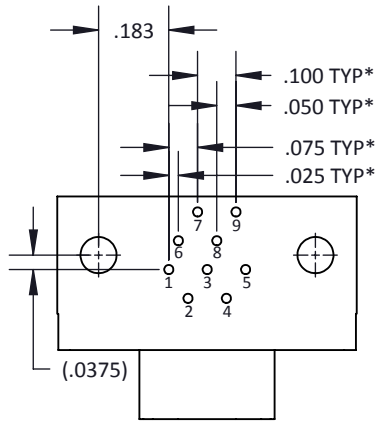
**MICRO-D HYBRID SHELL
RIGHT ANGLE BOARD MOUNT, CONDENSED**



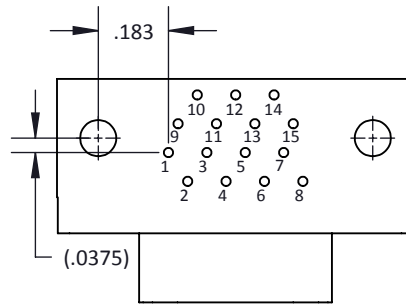
HCR PLUG PCB LAYOUTS
* SIZES 9-51: .100 X .075 GRID PATTERN OFFSET BY .050

TOLERANCE: .XXX ±.005 .XX ±.01 ANGLE ±1°	TITLE MICRO-D HYBRID SHELL RIGHT ANGLE BOARD MOUNT, CONDENSED	SHT 3 OF 4	DWG. NO. HCR	REV D
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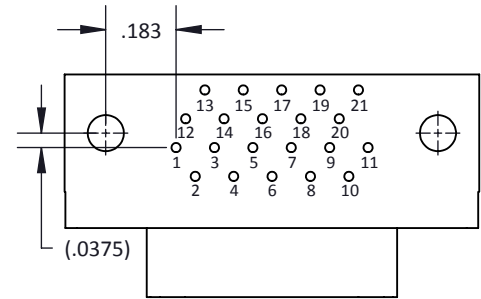
**MICRO-D HYBRID SHELL
RIGHT ANGLE BOARD MOUNT, CONDENSED**



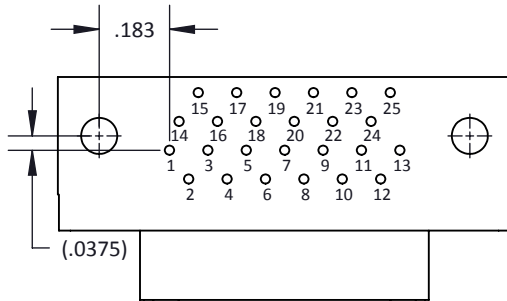
9 CONTACTS



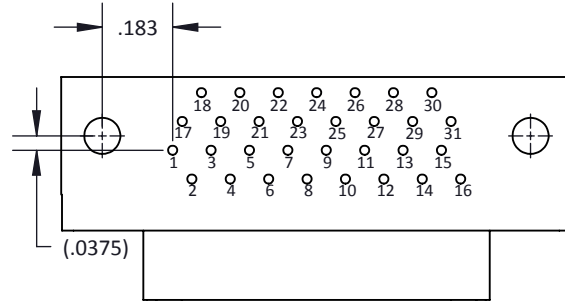
15 CONTACTS



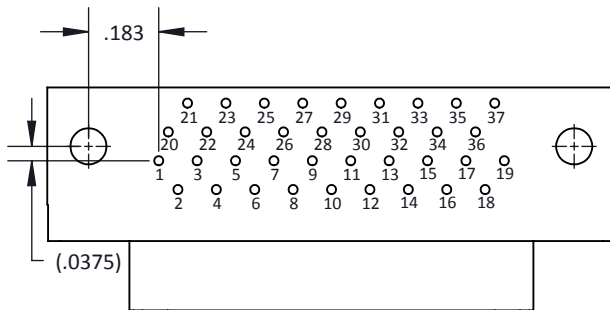
21 CONTACTS



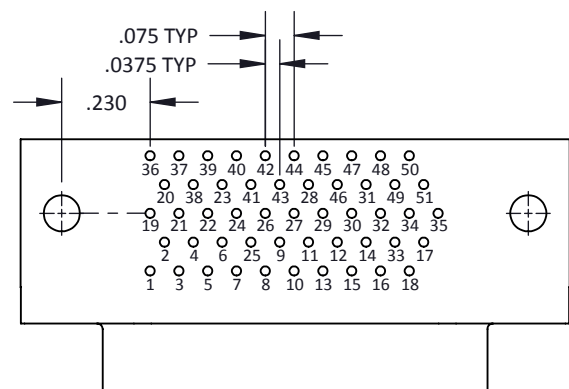
25 CONTACTS



31 CONTACTS



37 CONTACTS



51 CONTACTS

HCR RECEPTACLE PCB LAYOUTS

* SIZES 9-51: .100 X .075 GRID PATTERN OFFSET BY .050

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

TITLE
**MICRO-D HYBRID SHELL
RIGHT ANGLE BOARD MOUNT,
CONDENSED**

SHT 4 OF 4

DWG. NO.
HCR

REV
D