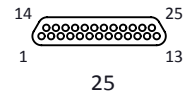
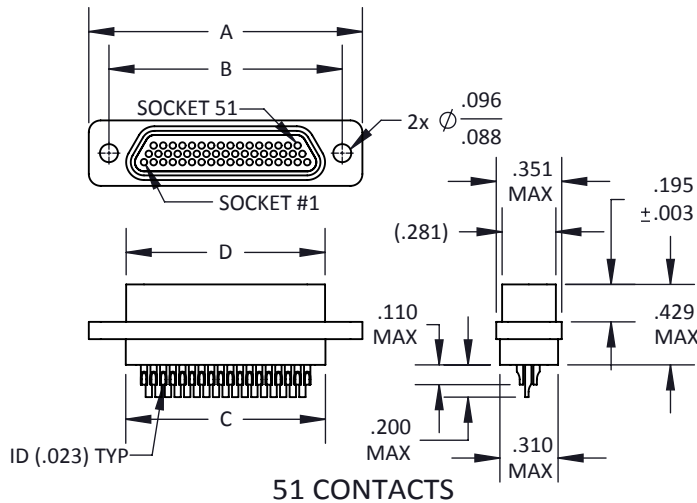
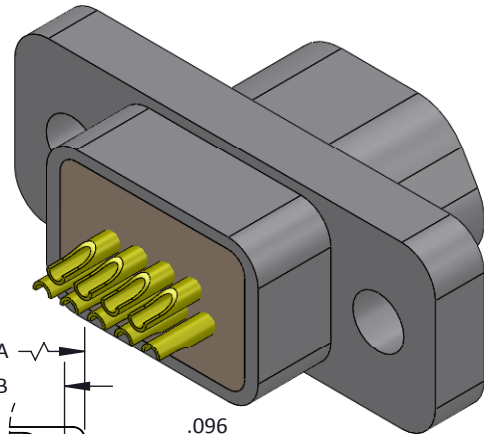


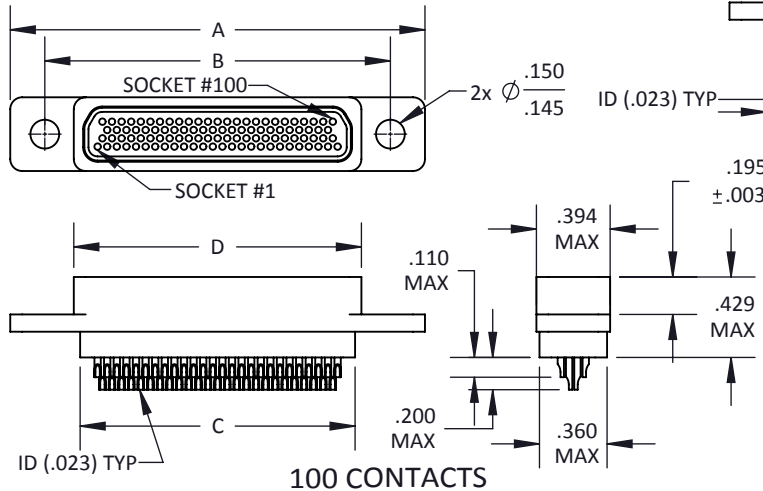
NO. OF CONTACTS	A MAX	B BSC	C MAX	D MAX
9	.785	.565	.400	.402
15	.935	.715	.550	.552
21	1.085	.865	.700	.702
25	1.185	.965	.800	.802
31	1.335	1.115	.950	.952
37	1.485	1.265	1.100	1.102
51	1.435	1.215	1.050	1.052
100	2.170	1.800	1.442	1.508



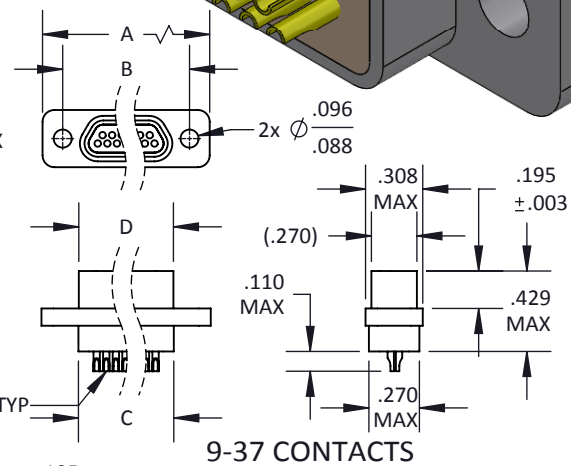
MATING FACE



51 CONTACTS



100 CONTACTS



9-37 CONTACTS

CIM 02 - X X

CRISTEK'S P/N EQUIVALENT
TO M83513 MIL SPEC.

RECEPTACLE, CLASS M,
SOLDER CUP SOCKET CONTACTS

NUMBER OF CONTACTS
A = 9 D = 25 G = 51
B = 15 E = 31 H = 100
C = 21 F = 37

SHELL FINISH
C = CADMIUM
N = NICKEL

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

1. MATERIALS:

SHELL - ALUMINUM ALLOY
INSULATOR - GLASS FILLED THERMOPLASTIC
SOCKET CONTACT - COPPER ALLOY
INTERFACIAL SEAL - FLUOROSILICONE BLEND

2. FINISH:

SHELL - ELECTROLESS NICKEL OR CADMIUM
OVER ELECTROLESS NICKEL
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 RETENTION ----- 5 lb MINIMUM AXIAL LOAD
ENGAGEMENT FORCE ----- 6 oz MAX
SEPARATION FORCE ----- 0.5 oz MAX

4. ADDITIONAL INFORMATION:

FOR CROSS-REFERENCING CRISTEK PART
NUMBERS TO M83513, SEE CROSS REFERENCE
INFORMATION IN THE FRONT OF THIS SECTION.
FOR MOUNTING HARDWARE OPTIONS, SEE THE
HARDWARE PAGES AT THE END OF THIS SECTION

TOLERANCE: .XXX \pm .005
.XX \pm .01
ANGLE \pm 1°

TITLE
MICROMINIATURE D METAL SHELL
RECEPTACLE, SOLDER CUP

SHT 1 OF 1

DWG. NO.
M83513/02

REV
F