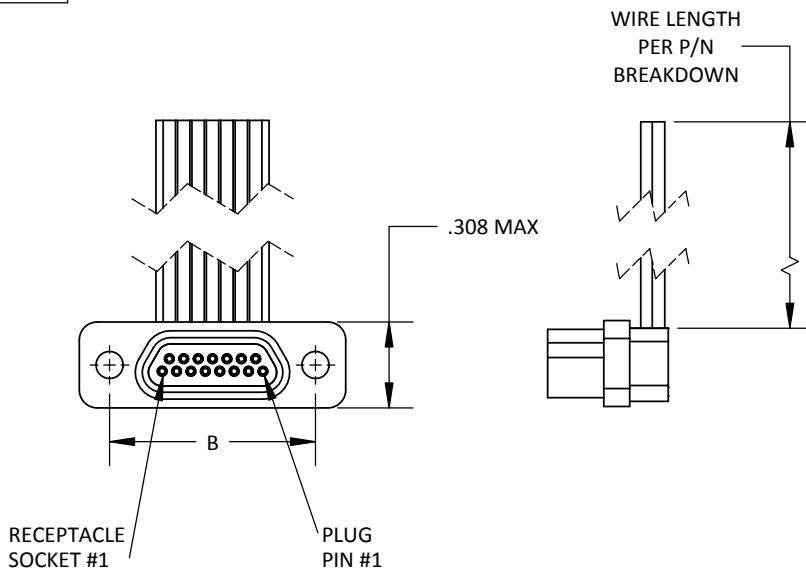
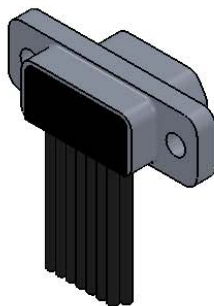
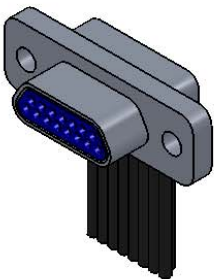
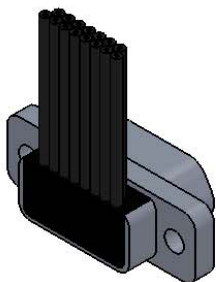
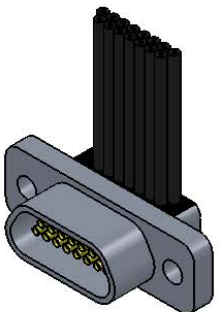
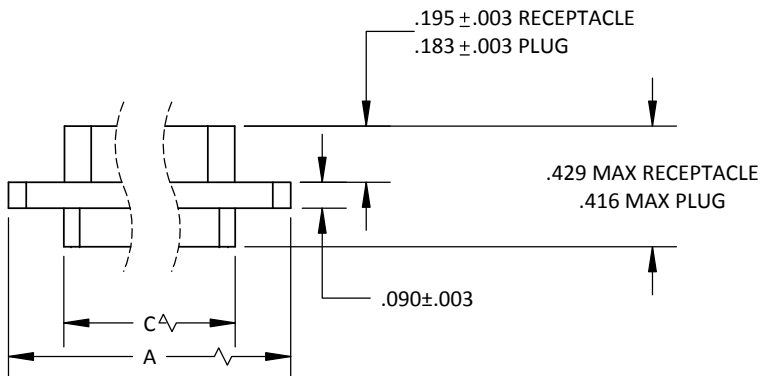


NO. OF CONTACTS	A MAX	B BSC	C MAX
9	.785	.565	.400
15	.935	.715	.550
21	1.085	.865	.700
25	1.185	.965	.800
31	1.335	1.115	.950
37	1.485	1.265	1.100
51	1.435	1.215	1.050
69	1.737	1.515	1.350
100	2.170	1.800	1.442



MWRS015S-0XXXXX SHOWN



9-37 CONTACTS

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

TITLE

MICRO-D METAL SHELL,
WIRED, RIGHT ANGLE

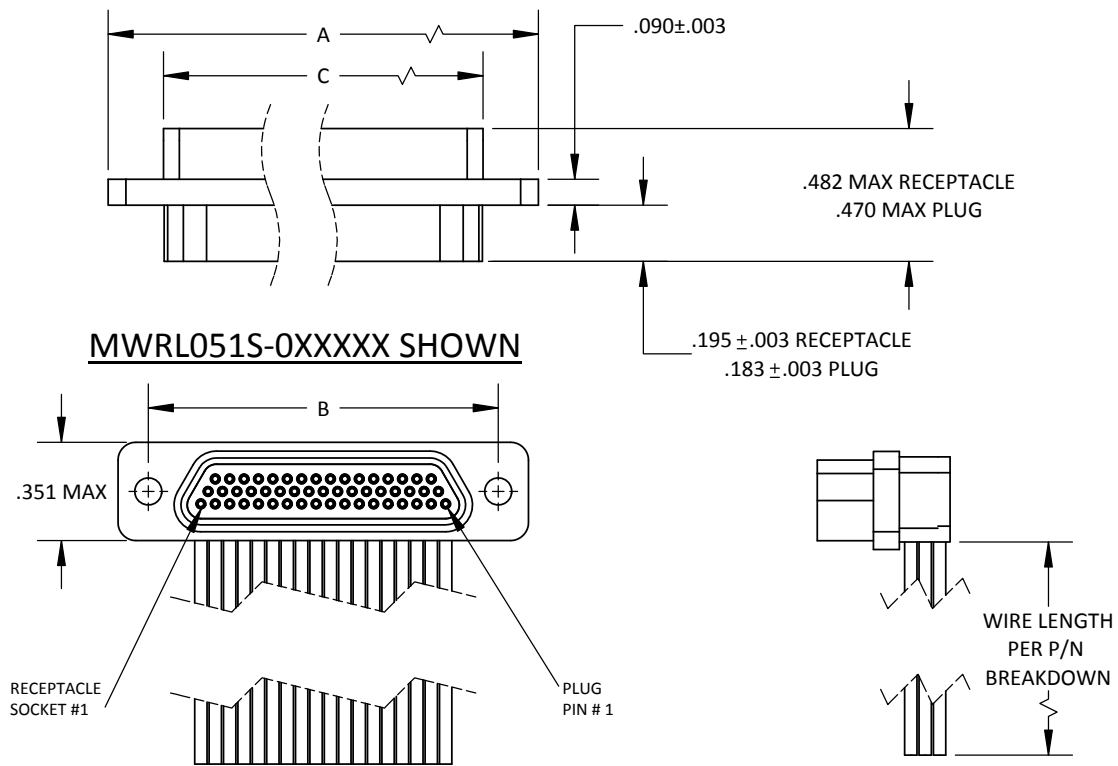
SHT 1 OF 5

DWG. NO.

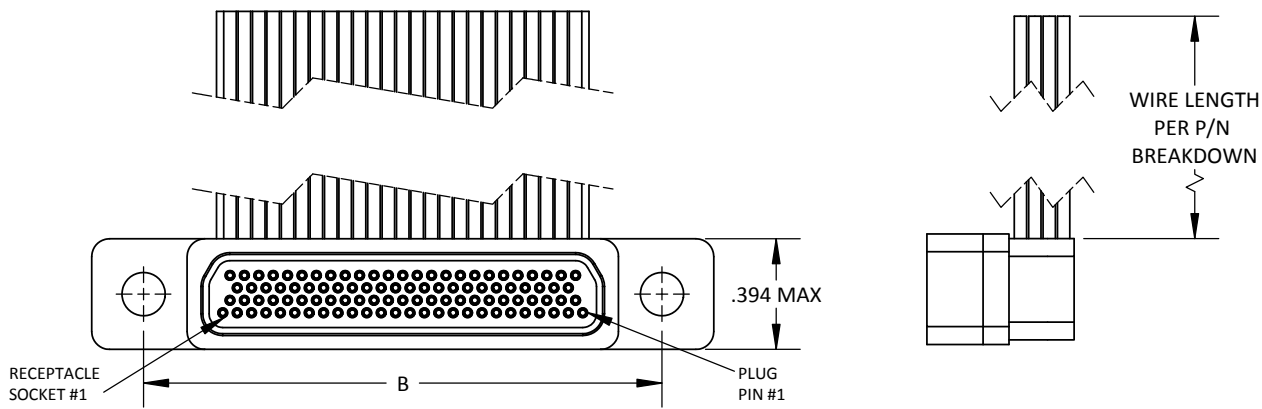
MWR

REV

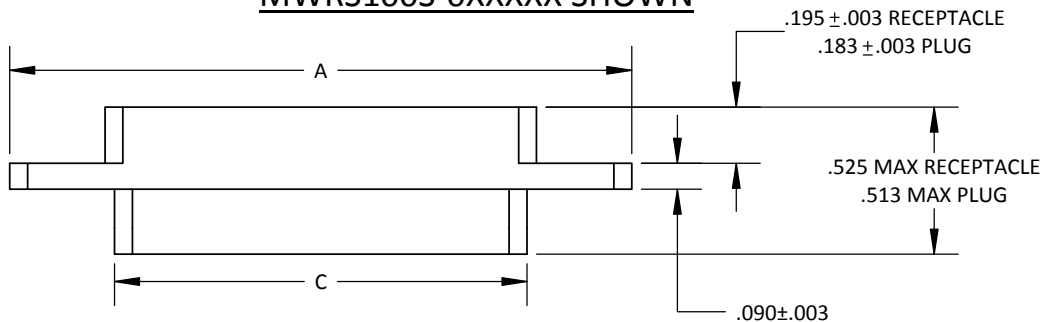
A



51-69 CONTACTS



100 CONTACTS



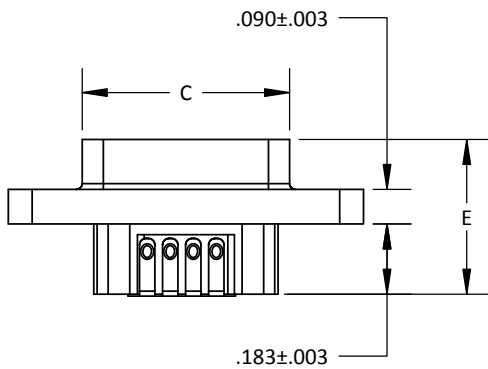
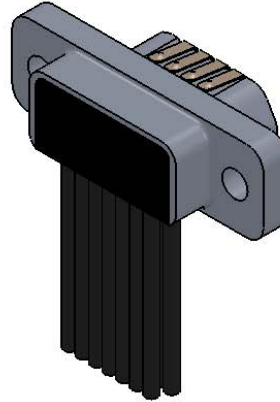
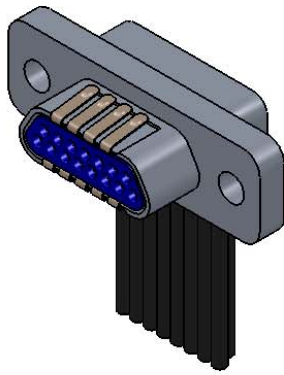
TOLERANCE: $.XXX \pm .005$
 $.XX \pm .01$
ANGLE $\pm 1^\circ$

TITLE
MICRO-D METAL SHELL,
WIRED, RIGHT ANGLE

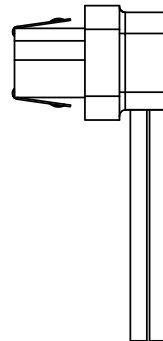
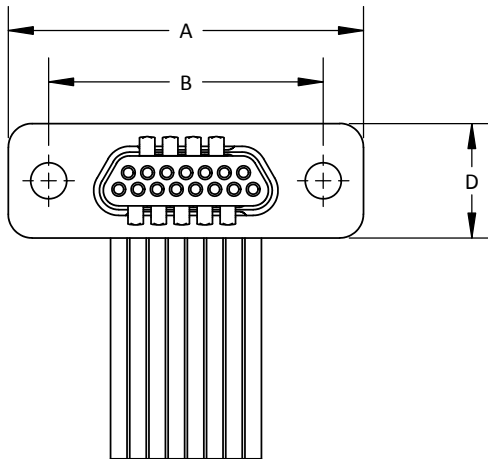
SHT 2 OF 5

DWG. NO.
MWR

REV
A



NO. OF CONTACTS	A MAX	B BSC	C MAX	D MAX	E MAX
9	.785	.565	.400	.308	.416
15	.935	.715	.550	.308	.416
21	1.085	.865	.700	.308	.416
25	1.185	.965	.800	.308	.416
31	1.335	1.115	.950	.308	.416
37	1.485	1.265	1.100	.308	.416
51	1.435	1.215	1.050	.351	.470
69	1.737	1.515	1.350	.351	.470
100	2.170	1.800	1.442	.394	.513



EMI SPRINGS (PLUG ONLY)
MWRL015P-0XXXXX-EMI SHOWN

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

TITLE
MICRO-D METAL SHELL,
WIRED, RIGHT ANGLE

SHT 3 OF 5

DWG. NO.
MWR

REV
A



MICRO-D METAL SHELL,
WIRED, RIGHT ANGLE

MWR X XXX X - X X X X X X - EMI

CRISTEK METAL SHELL
RIGHT ANGLE WIRED
MICRO-D CONNECTORS
(MATE WITH M83513)

DIRECTION OF WIRE EXIT
L = EXIT TOWARDS LONG ROW
S = EXIT TOWARDS SHORT ROW

NUMBER OF CONTACTS
009 025 051
015 031 069
021 037 100

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

HARDWARE
0 = NONE
FACTORY INSTALLED (NON-REMOVABLE)
F = FLOAT MOUNT
J = HIGH PROFILE HEX DRIVE JACKSCREW
K = HIGH PROFILE SLOTTED JACKSCREW
L = LOW PROFILE HEX DRIVE JACKSCREW *
T = THREADED INSERT
M83513 HARDWARE - FACTORY INSTALLED
2 = LOW PROFILE HEX DRIVE JACKSCREW *
3 = HIGH PROFILE HEX DRIVE JACKSCREW
5 = LOW PROFILE SLOTTED JACKSCREW *
6 = HIGH PROFILE SLOTTED JACKSCREW
7 = JACKPOST KIT *
(HARDWARE FOR SIZES 9 - 69 IS #2-56,
HARDWARE FOR SIZE 100 IS #4-40)

SHELL FINISH
A = CADMIUM
B = NICKEL
C = ANODIZE
D = CHEM FILM
E = BLACK CADMIUM
G = GOLD
P = PASSIVATION (STAINLESS STEEL)

EMI SPRINGS (PLUG ONLY)

WIRE LENGTH
STRANDED (+ 1.00 / - 0.00)
1 = 6 INCHES
2 = 12 INCHES
3 = 18 INCHES
4 = 24 INCHES
5 = 36 INCHES
6 = 72 INCHES

WIRE SIZE
STRANDED WIRE
0 = 26 AWG
1 = 24 AWG
2 = 28 AWG

WIRE COLOR/TYPE
0 = WHITE STRANDED *
1 = YELLOW STRANDED
2 = 10 SOLID COLORS REPEATED *
3 = FULL COLOR CODE STRANDED

TERMINATION
WIRE TYPE
STRANDED
H = HARNESS (MIL-W-16878/4)
S = SPACE (MIL-W-22759/33)
M = MILITARY (MIL-W-22759/11) *

* = MOST COMMONLY USED & STOCKED WIRE TYPES AND HARDWARE OPTIONS

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

1. MATERIALS:

SHELL - ALUMINUM ALLOY OR STAINLESS STEEL
INSULATOR - GLASS FILLED THERMOPLASTIC
PIN/SOCKET CONTACT - COPPER ALLOY
INTERFACIAL SEAL - FLUOROSILICONE BLEND
GROUND SPRINGS - BERYLLIUM COPPER

2. FINISH:

SHELL - SEE OPTIONS ABOVE
PIN/SOCKET CONTACT - GOLD OVER NICKEL
GROUND SPRINGS - 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 ----- 28 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.
FOR OTHER TERMINATIONS, CONTACT CRISTEK.

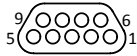
TOLERANCE: .XXX ±.005
.XX ±.01
ANGLE ±1°

TITLE
MICRO-D METAL SHELL,
WIRED, RIGHT ANGLE

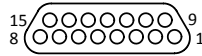
SHT 4 OF 5

DWG. NO.
MWR

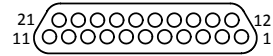
REV
A



9



15



21



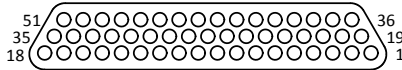
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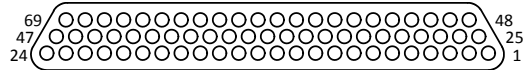
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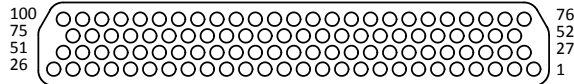
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51

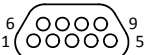


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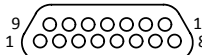


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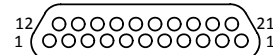
PLUG MATING FACE



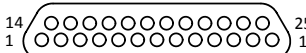
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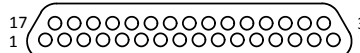
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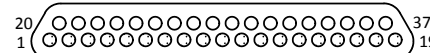
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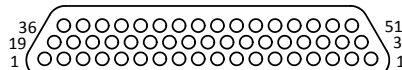
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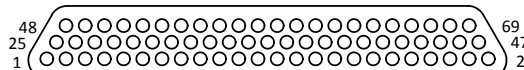
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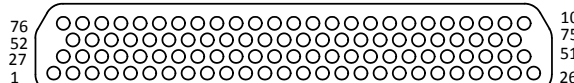
37



51



69



100

RECEPTACLE MATING FACE

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

TITLE
MICRO-D METAL SHELL
WIRED, RIGHT ANGLE

SHT 5 OF 5

DWG. NO.
MWR

REV
A