



MICROMINIATURE – COTS MICRO-D CONNECTORS

HDM22 THRU 27 – VERTICAL PC BOARD TERMINATION

HIRELCO PART NUMBER CODE

HDM 2* - * * * * *

HIRELCO CONNECTOR SERIES

HDM - MICRO D-SUBMINIATURE
(DESIGNS BASED ON M83513)

CONNECTOR TYPE, GENDER, & TERMINATION

METAL SHELL, STRAIGHT PCB MOUNT
22 - SIZE 9-37 PLUG
23 - SIZE 51 PLUG
24 - SIZE 100 PLUG
25 - SIZE 9-37 RECEPTACLE
26 - SIZE 51 RECEPTACLE
27 - SIZE 100 RECEPTACLE

CONNECTOR SIZE

(NUMBER OF CONTACTS) <5>

A=9, B=15, C=21, D=25, E=31, F=37, G=51, & H=100

LEAD LENGTH

(24 AWG HOT SOLDER DIPPED)

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

FLANGE HARDWARE

SIZES 9-51 USES #2-56, 100 USES #4-40

N - NO FLANGE HARDWARE (EPOXY FILLED HOLE)
T - THREADED INSERT
P - ATTACHED JACKPOST
(PER M83513/05-07 OR -17)

POTTING CUP STYLE

(INCLUDES OR EXCLUDES PCB MOUNTING HARDWARE)

1 - W/THROUGH HOLES FOR APPLICABLE
SIZE HARDWARE <1>
2 - W/APPLICABLE SIZE THREADED INSERTS
INSTALLED <1> <4>

SHELL FINISH (& MATERIAL)

A - ANODIZE (ALUMINUM)
C - CADMIUM (ALUMINUM)
G - GOLD (ALUMINUM)
N - ELECTROLESS NICKEL (ALUMINUM)
S - PASSIVATION (STAINLESS STEEL)
T - TIN (ALUMINUM)

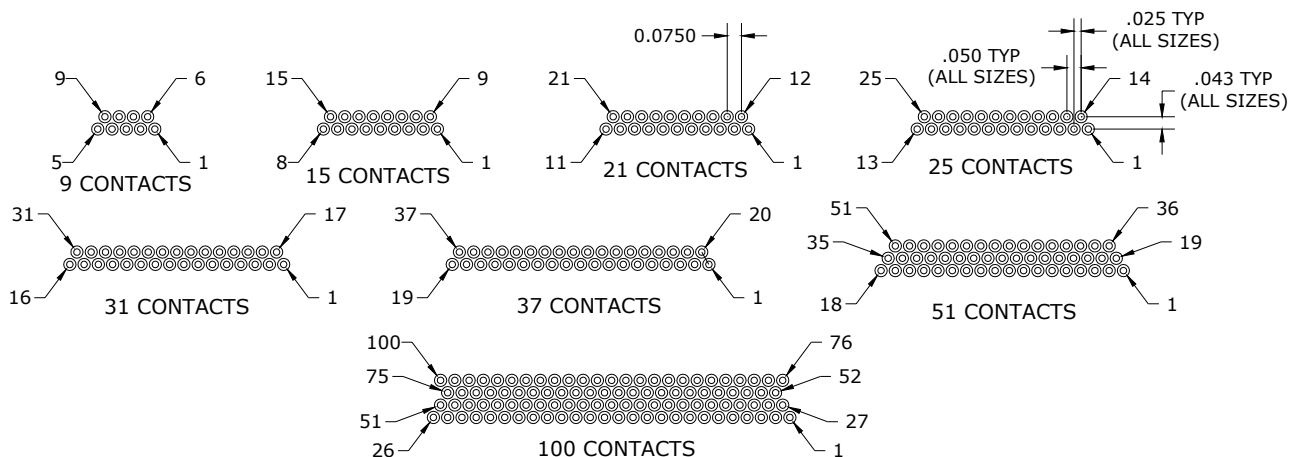
<1> - SIZES 9-51 USES #2-56, 100 USES #4-40 EXCEPT AS NOTED

<2> - CURRENTLY ONLY AVAILABLE IN SIZES 9-51 (USES #2-56)

<3> - HI-REL RECOMMENDS USE OF ANTI-SEIZE COMPOUND TO MAXIMIZE LIFE CYCLE

<4> - POTTING CUP STYLE UNAVAILABLE AT TIME OF PRINTING. CONTACT FACTORY FOR CURRENT AVAILABILITY.

<5> - ADDITIONAL SIZES MAY BE AVAILABLE. CONTACT FACTORY FOR CURRENT AVAILABILITY.



CONTACT ARRANGEMENTS

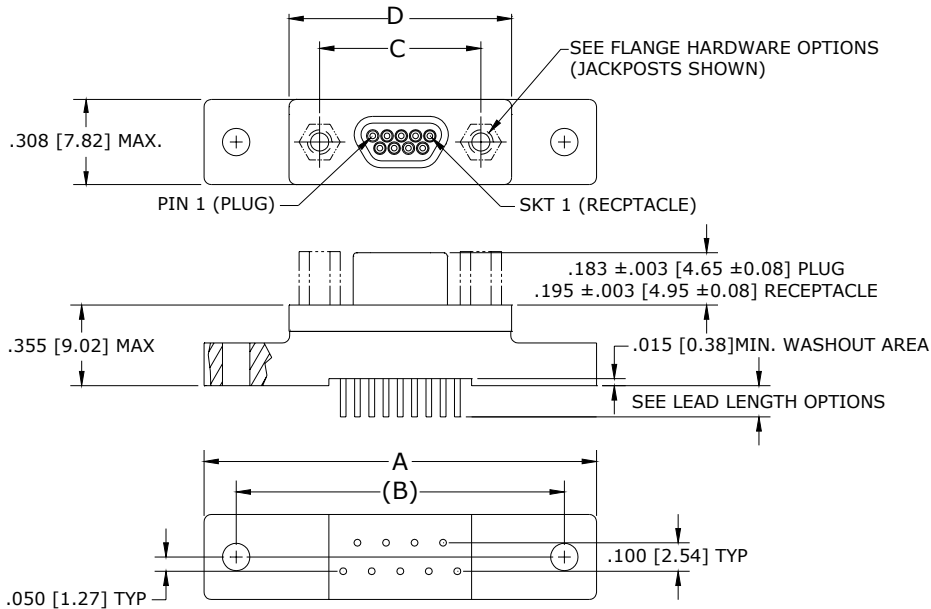
(FACE VIEW OF PIN INSERT SHOWN, REVERSE ORDER FOR SOCKET SIDE)

SEE THE FIRST PAGE OF THIS SECTION FOR PERFORMANCE, MATERIAL, AND PLATING INFORMATION

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SIZE	A MAX.	(B) NOM.	C NOM.	D MAX.
9	1.390 [35.31]	1.150 [29.21]	.565 [14.35]	.785 [19.94]
15	1.390 [35.31]	1.150 [29.21]	.715 [18.16]	.935 [23.75]
21	1.690 [42.93]	1.450 [36.83]	.865 [21.97]	1.085 [27.56]
25	1.740 [44.20]	1.500 [38.10]	.965 [24.51]	1.185 [30.10]
31	2.040 [51.82]	1.800 [45.72]	1.115 [28.32]	1.335 [33.91]
37	2.340 [59.40]	2.100 [53.34]	1.265 [32.13]	1.485 [37.72]
51	2.270 [67.66]	2.000 [50.80]	1.215 [30.86]	1.435 [36.45]
100	3.070 [77.98]	2.800 [71.12]	1.800 [45.72]	2.170 [55.12]

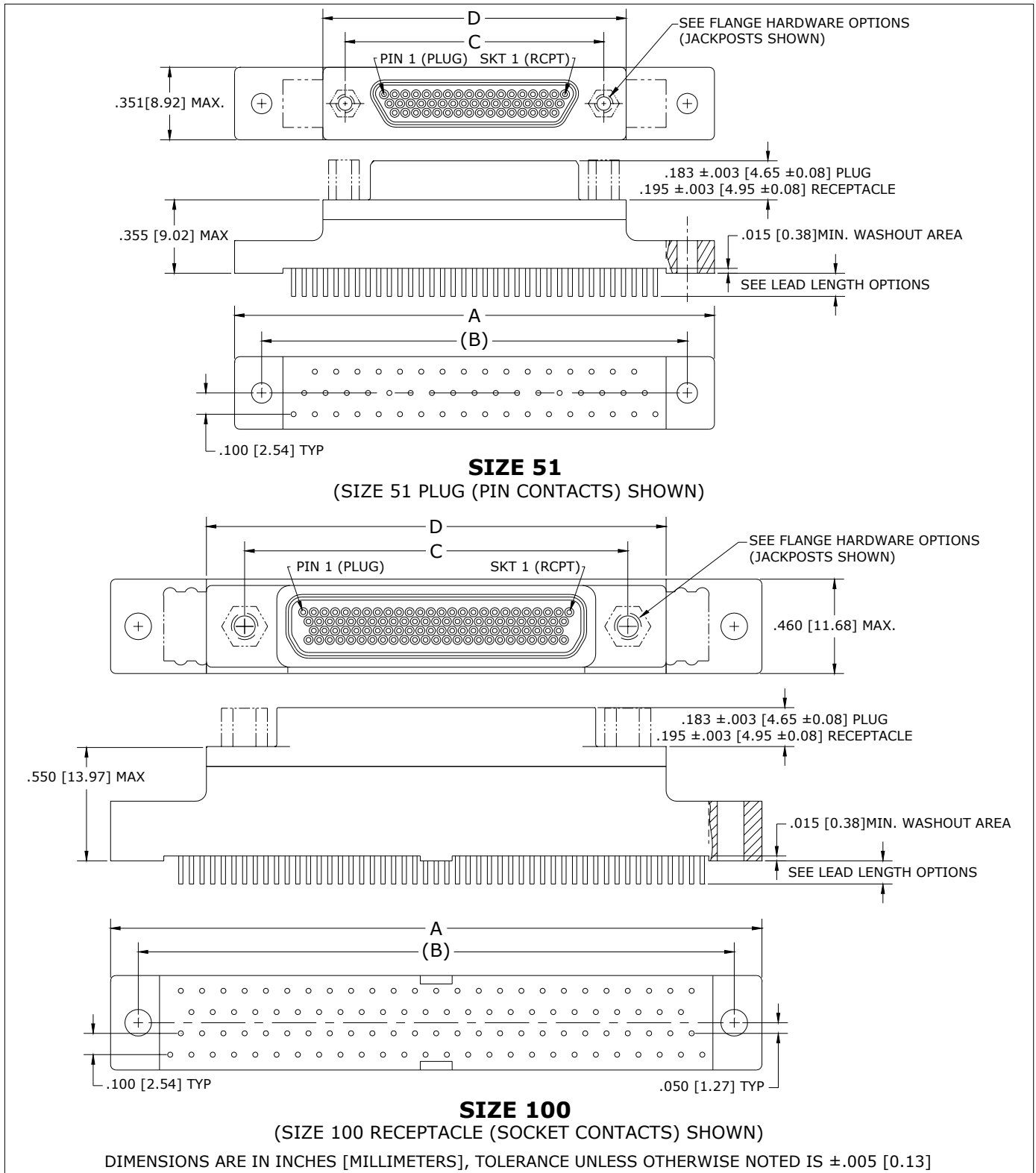


SIZES 9 - 37
(SIZE 9 PLUG (PIN CONTACTS) SHOWN)

DIMENSIONS ARE IN INCHES [MILLIMETERS], TOLERANCE UNLESS OTHERWISE NOTED IS $\pm .005 [0.13]$

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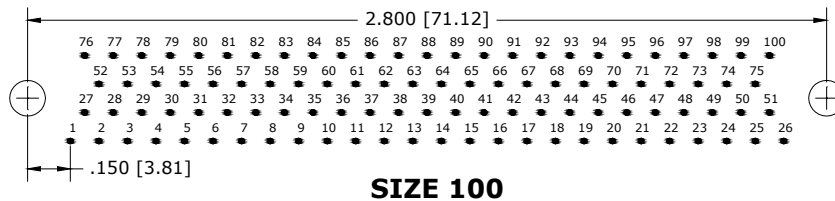
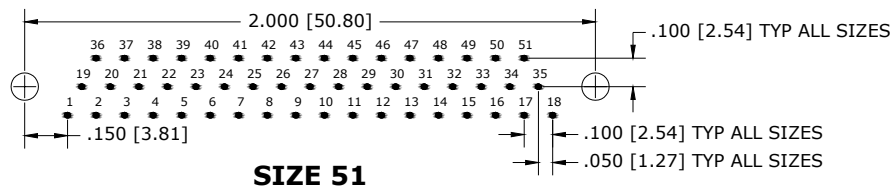
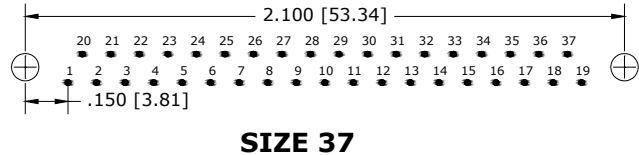
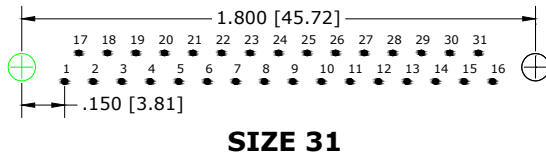
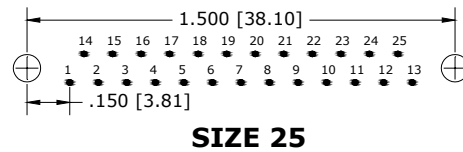
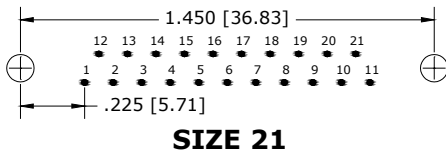
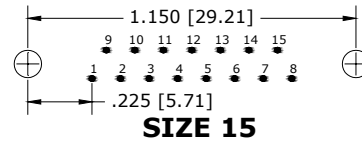
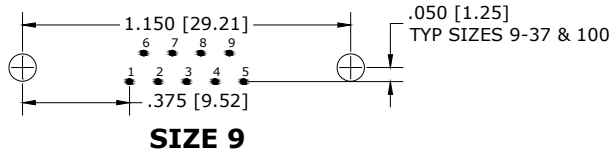
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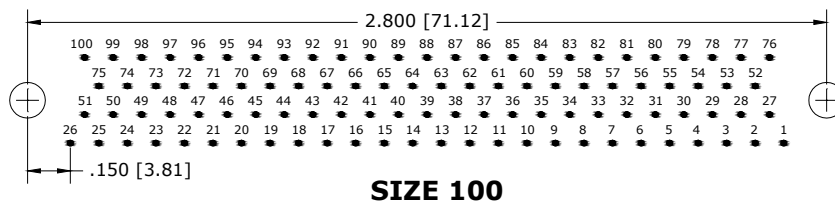
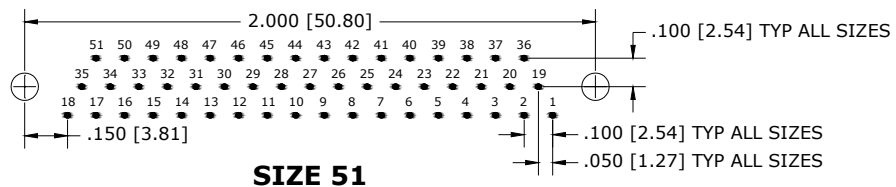
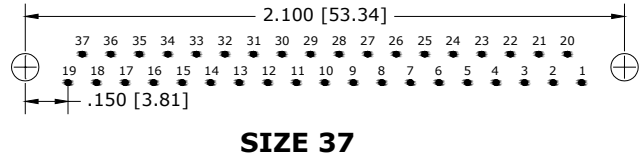
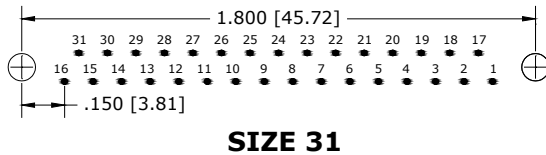
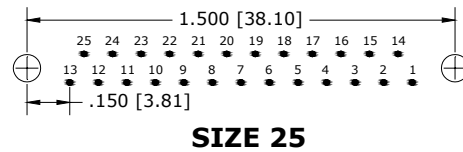
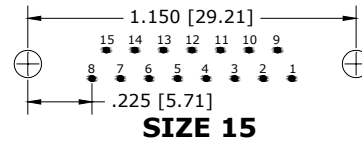
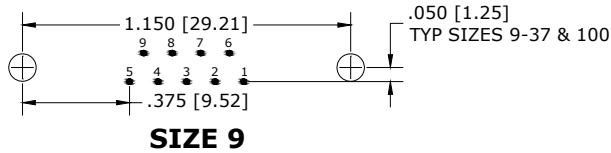
PLUG (PIN CONTACTS)
PCB TERMINATION ARRANGEMENTS
 (SHOWN FROM BOTTOM OF CONNECTOR, SOLDER SIDE OF PCB.)

DIMENSIONS ARE IN INCHES [MILLIMETERS], TOLERANCE UNLESS OTHERWISE NOTED IS $\pm .005$ [0.13]



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**RECEPTACLE (SOCKET CONTACTS)
PCB TERMINATION ARRANGEMENTS**
(SHOWN FROM BOTTOM OF CONNECTOR, SOLDER SIDE OF PCB.)

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