



## 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)

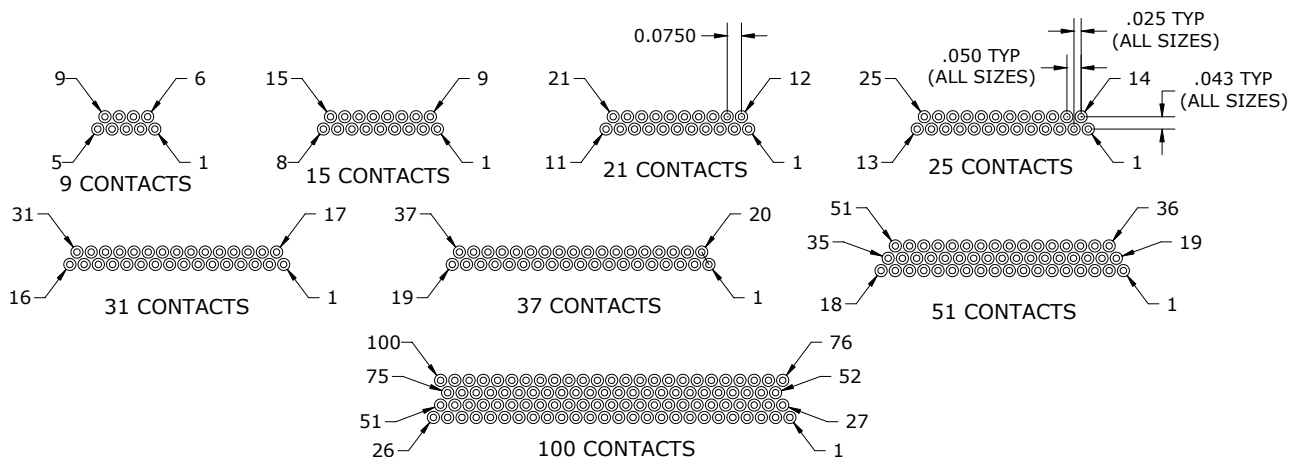
<1> - SIZES 9-51 USES #2-56, 100 USES #4-40 EXCEPT AS NOTED

<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

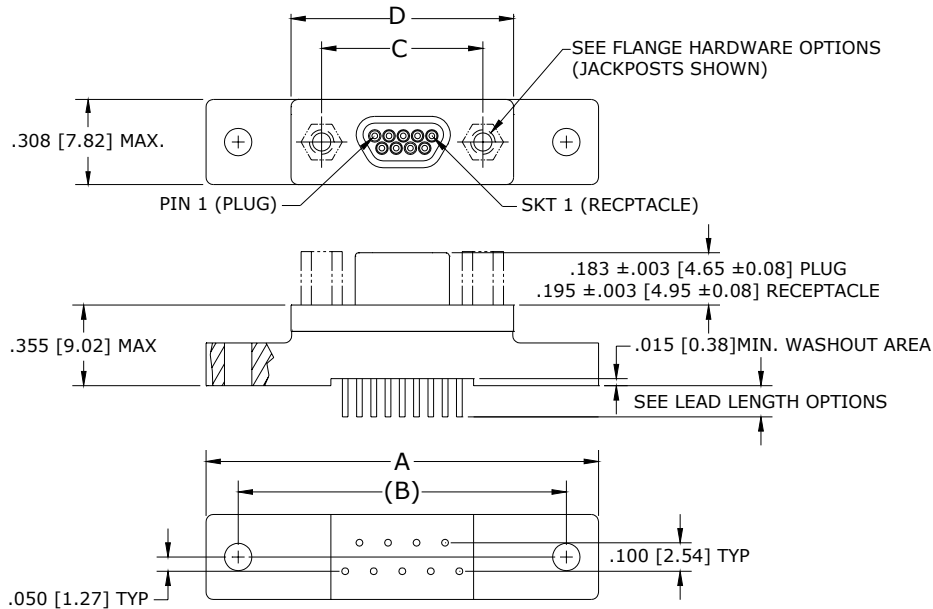
(FACE VIEW OF PIN INSERT SHOWN, REVERSE ORDER FOR SOCKET SIDE)

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]

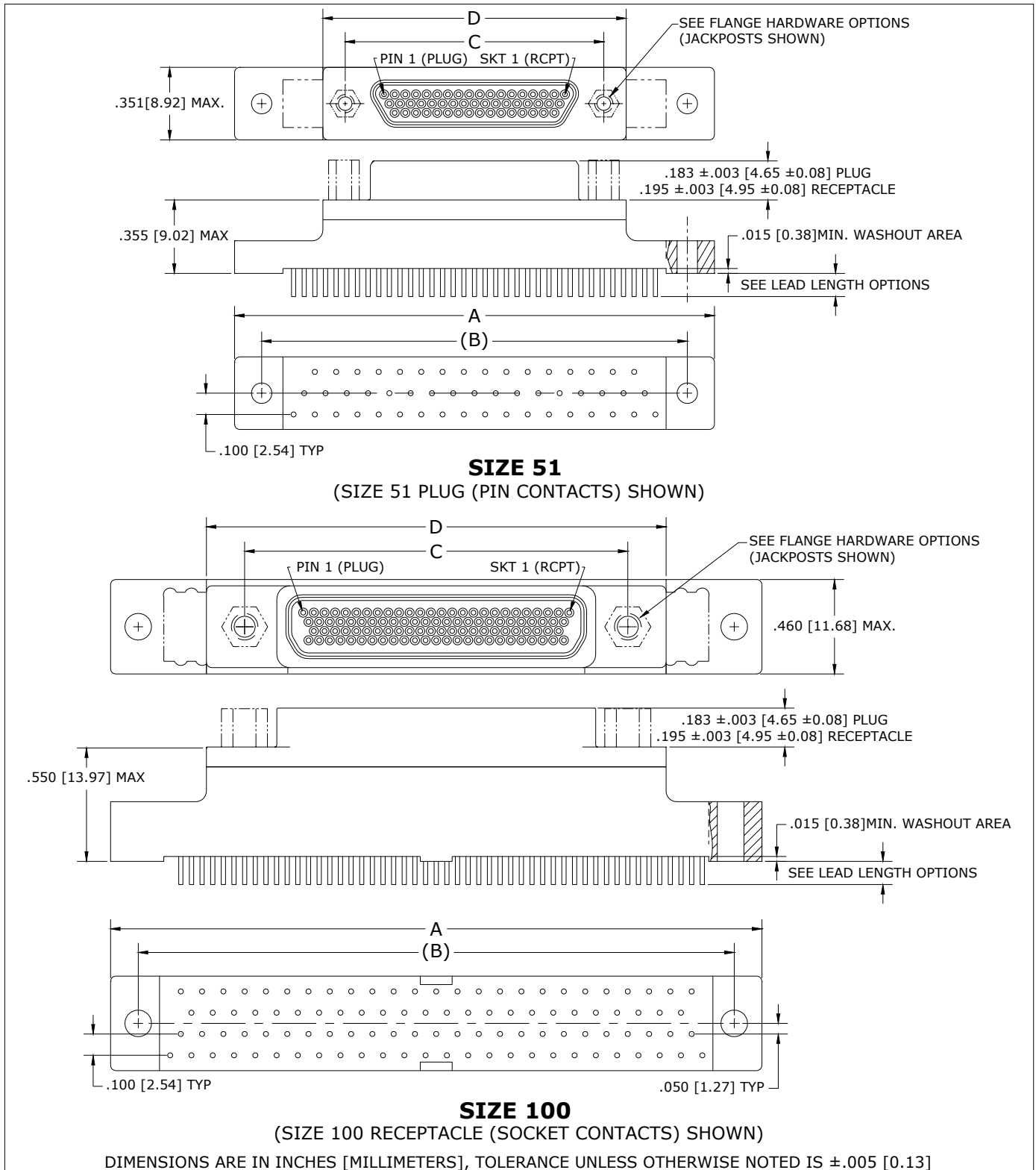


**SIZES 9 - 37**  
(SIZE 9 PLUG (PIN CONTACTS) SHOWN)

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

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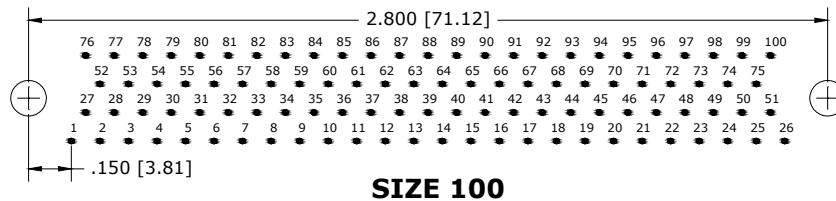
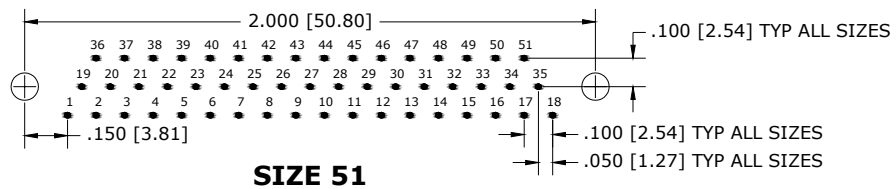
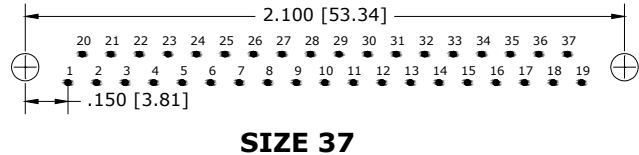
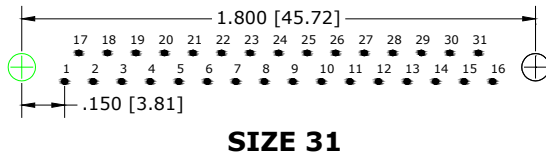
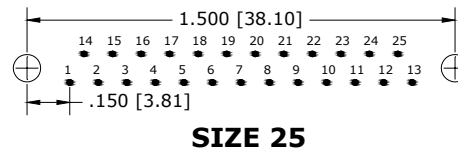
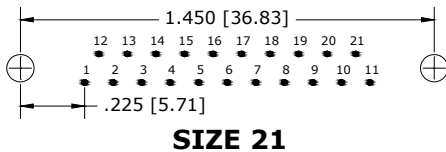
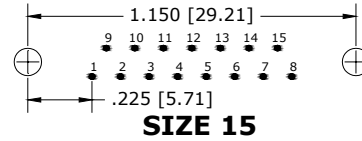
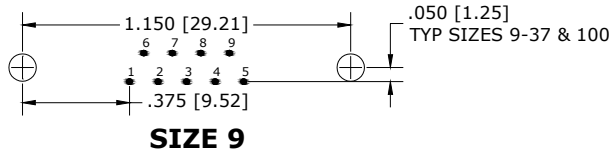
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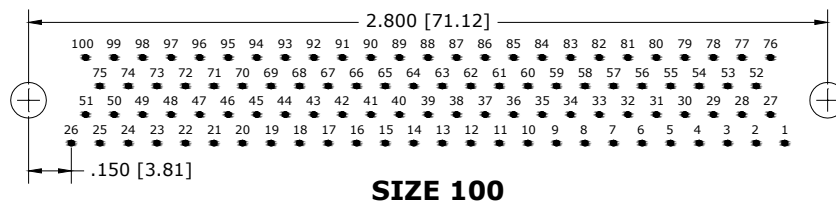
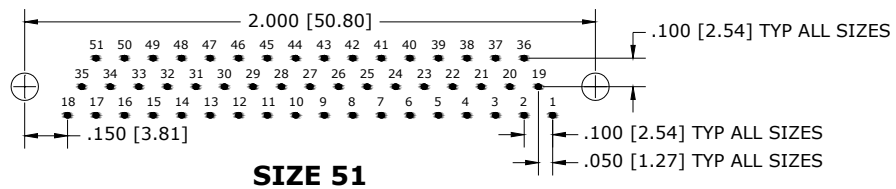
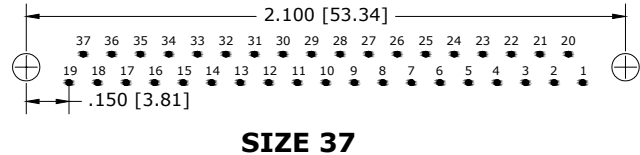
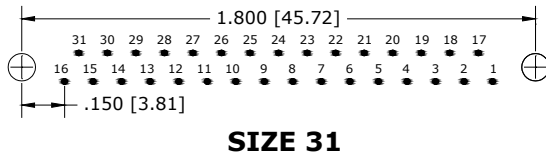
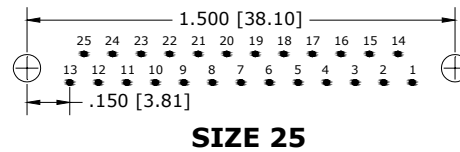
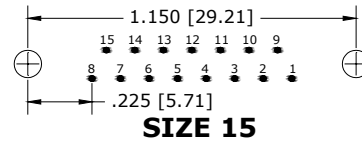
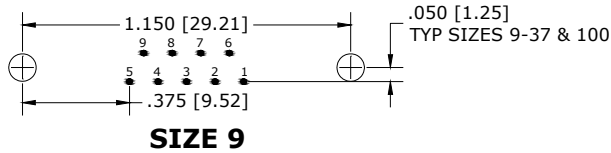
**PLUG (PIN CONTACTS)  
PCB TERMINATION ARRANGEMENTS**  
(SHOWN FROM BOTTOM OF CONNECTOR, SOLDER SIDE OF PCB.)

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



## MICROMINIATURE – COTS MICRO-D CONNECTORS

### HDM22 THRU 27 – VERTICAL PC BOARD TERMINATION



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

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