



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

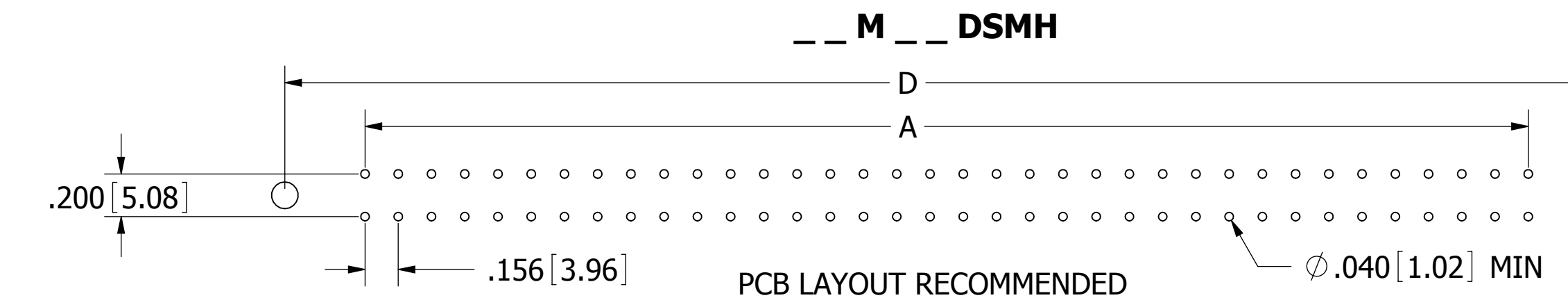
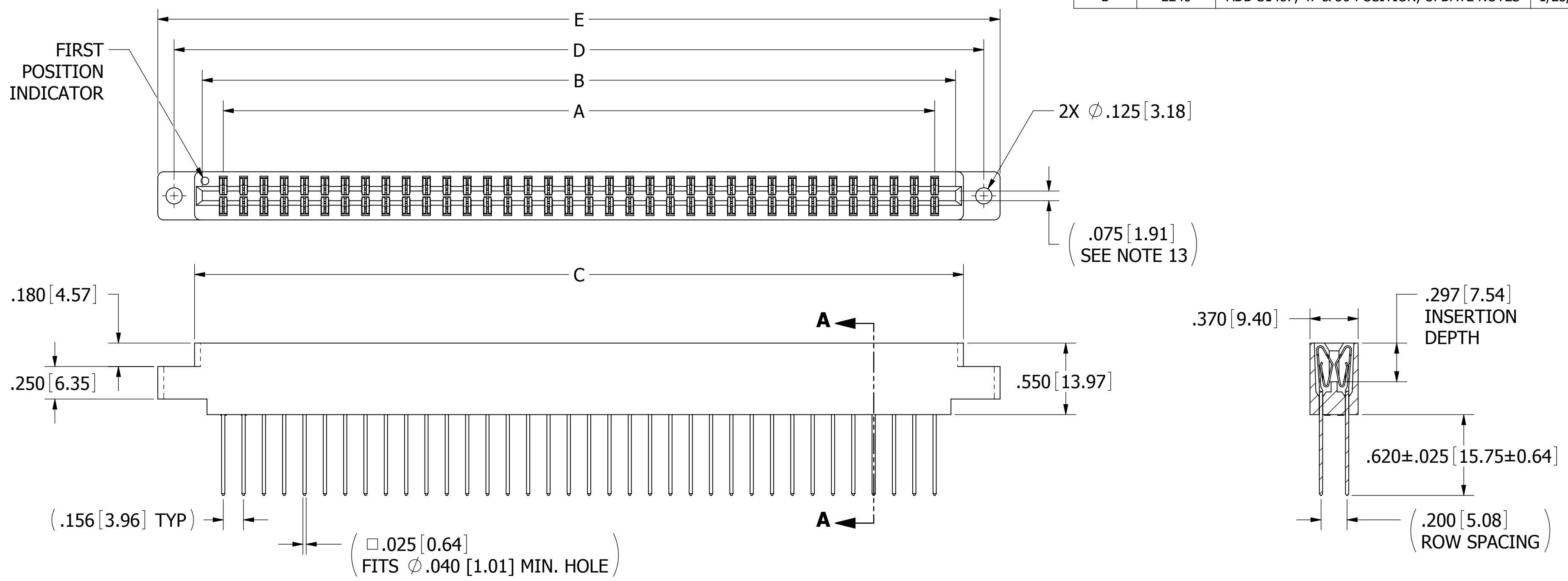
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REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
A	1521	INITIAL RELEASE	10/3/2007	VJ
B	2246	ADD S1487, 47 & 50-POSITION, UPDATE NOTES	1/25/2011	JH



SECTION A-A

CONTACT MARKINGS (LETTERS G, I, O & Q NOT USED)

SIZES 06-25 & 30
 1 2 ... 23 24 ... 29 30
 A B ... A B ... H J

SIZES 28 & 31
 1 2 ... 23 24 ... 30 31
 A B ... A B ... J K

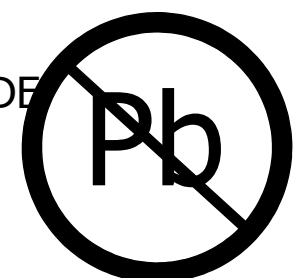
SIZES 36 - 43
 A B ... A B ... X Y
 1 2 ... 23 24 ... 42 43

SIZES 47 & 50
 1 3 ... 97 99
 2 4 ... 98 100

2X Ø.125 [3.18] FOR 'H' OR 'I' MOUNTING

CONTACT ID SCALE 4:1

- NOTES:**
- INSULATOR MATERIAL:SEE PART NUMBER CODING
 - CONTACT MATERIAL: SEE PART NUMBER CODING
 - PLATING: SEE PART NUMBER CODING
 - OPERATING TEMPERATURE:SEE PART NUMBER CODING
 - PROCESSING TEMP: SEE PART NUMBER CODING
 - UL FLAMMABILITY RATING: 94V-0
 - VOLTAGE RATING: 950 VAC MINIMUM AT SEA LEVEL
 - CURRENT RATING: 3 AMP PER CONTACT
 - CONTACT RESISTANCE: 30 MILLI OHMS MAX
 - INSULATION RESISTANCE: 5000 MEGA OHMS
 - DURABILITY: 500 CYCLES MIN
 - CONNECTOR IDENTIFICATION: THE PART SHALL BE MARKED WITH A PART NUMBER AND LOT CODE
 - BOARD THICKNESS ACCOMMODATED: .062±.008[1.57±0.20]
 - INSERTION FORCE: 16 OZ MAX PER CONTACT PAIR WHEN USING A .062[1.57] TEST BLADE
INTERNAL INSPECTION TO BE PER SULLIN'S WORK INSTRUCTION WI7.3-01
 - WITHDRAWAL FORCE: 1 OZ MIN PER CONTACT PAIR USING .062[1.57] PCB
 - MODIFICATION:SEE PART NUMBER CODING



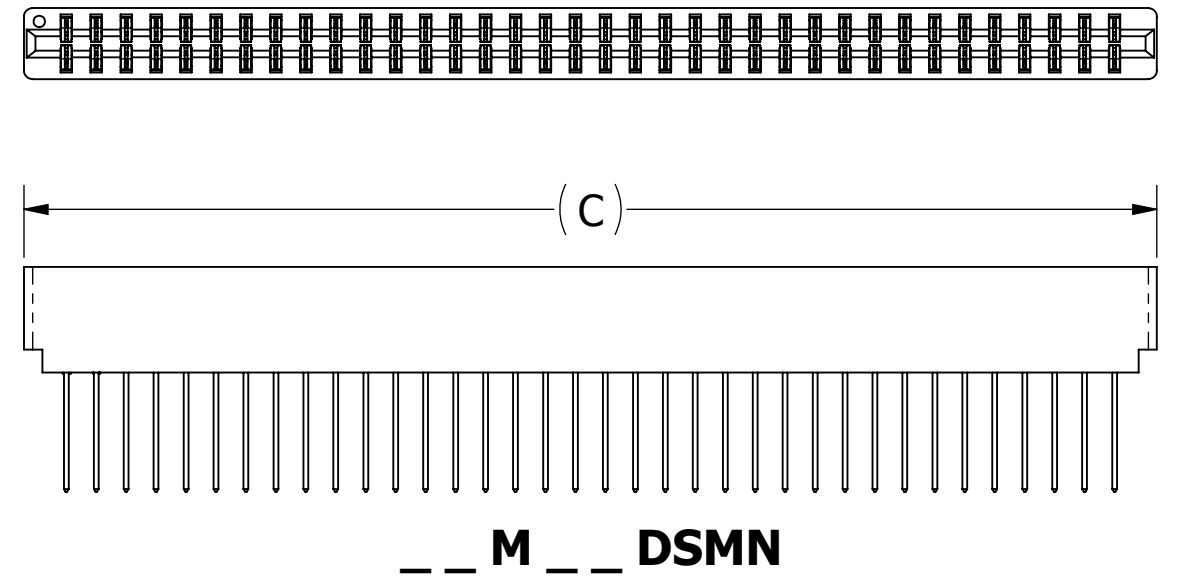
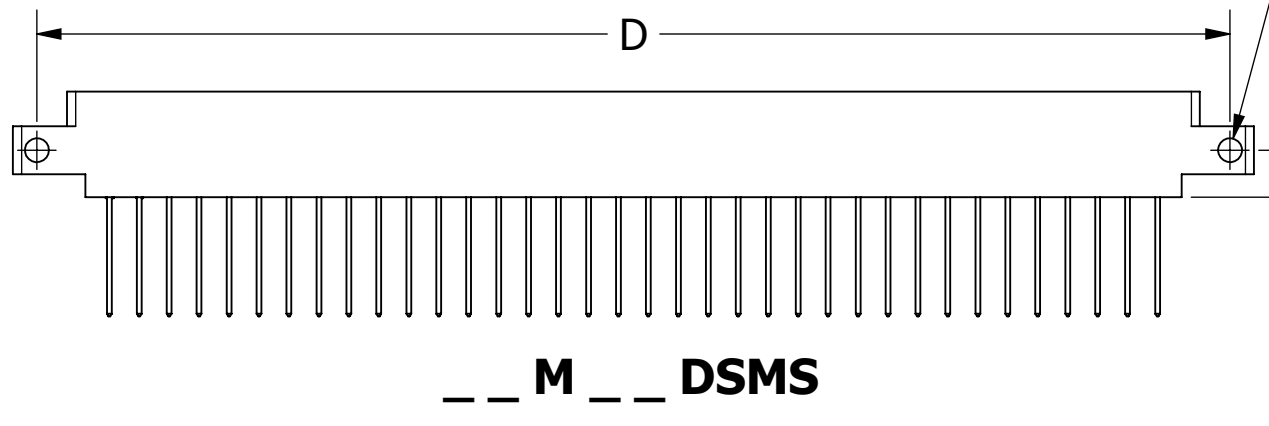
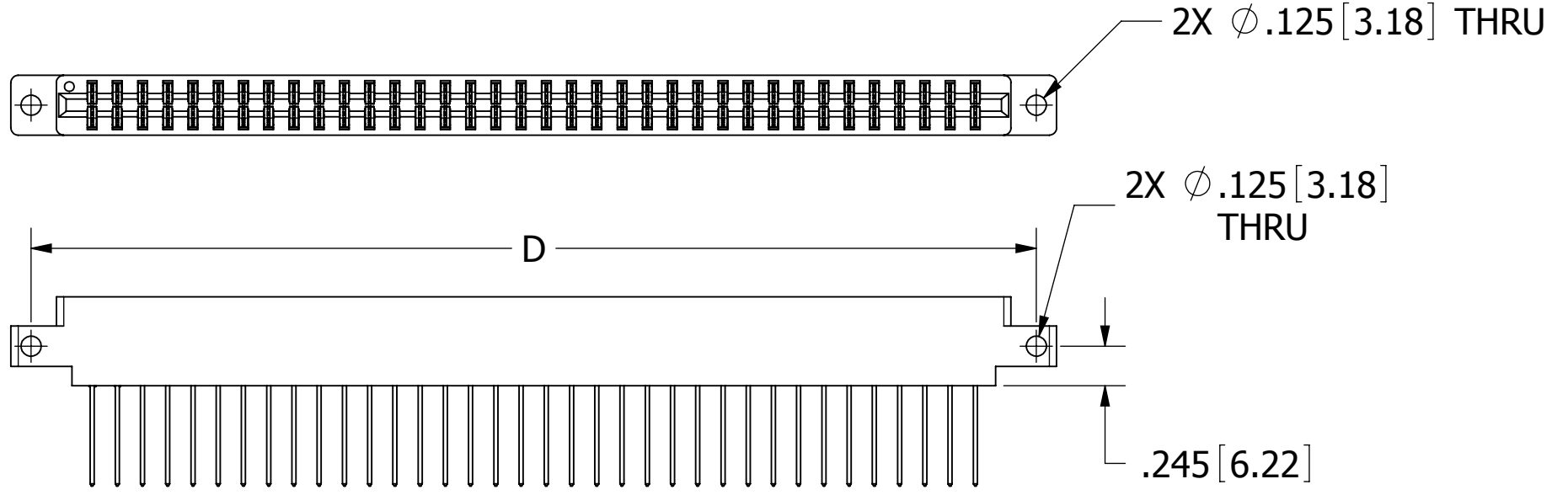
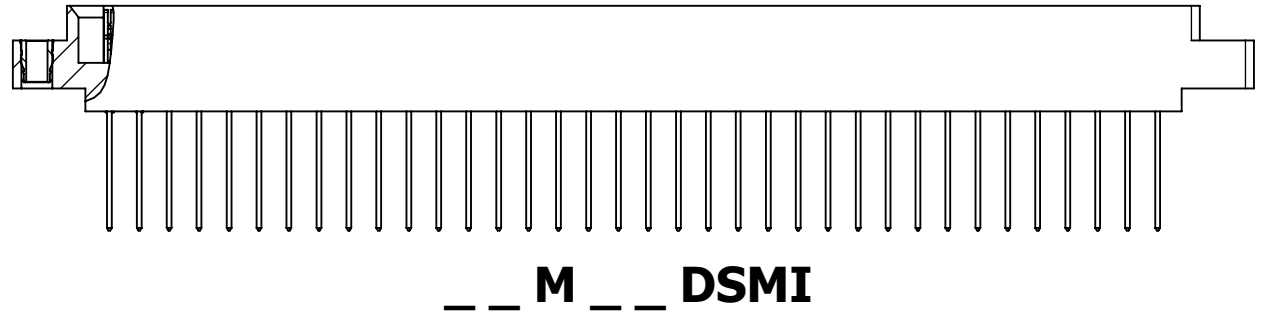
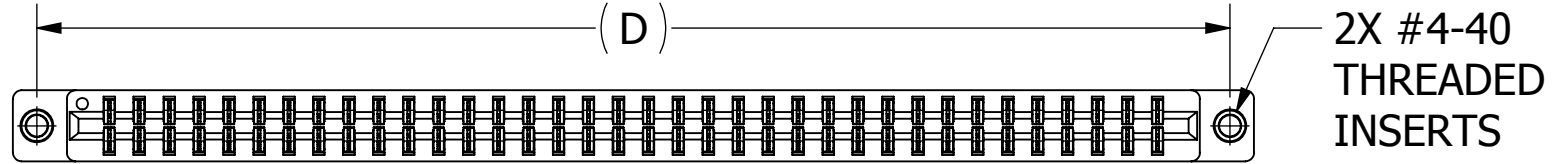
RoHS COMPLIANT

CUSTOMER COPY

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [MM]	DRAWN	DATE	NAME	
		XX/XX/XX	MNH	
TOLERANCES: ANGULAR: ± 30' .XX=± .02 [5] .XXX=± .005 [13] .XXXX=± .0005 [013]	THE INFORMATION HEREIN CONTAINS PROPRIETARY INFORMATION OF SULLINS ELECTRONICS AND IS NOT TO BE REPRODUCED, USED OR DISCLOSED TO OTHERS FOR ANY PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY AN OFFICER OF SULLINS ELECTRONICS.			TITLE
	INTERPRET DIMENSIONS AND TOLERANCING PER: ASME Y14.5M-2009			EDGECARD, .156 CC, HP
PART NUMBER				
__ M __ DSM - (S38, S81, S328, S1487)				
SIZE	CAGE CODE	DWG. NO.	REV	
C	54453	C11150	B	
SCALE: 2:1		SHEET 1 OF 3		

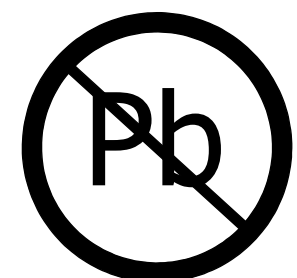
8 7 6 5 4 3 2 1

F
E
D
C
B
A



__ M __ DSMN

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		XX/XX/XX	MNH	
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	SIZE	CAGE CODE	DWG. NO.	REV
	C	54453	C11150	B
	SCALE: 1:1		SHEET 2 OF 3	

8 7 6 5 4 3 2 1

PART NUMBER	NO. OF POS.	INCHES						MILLIMETERS					
		A±.008	B±.008	C±.015	D±.010	E±.020	F±.015	A±0.20	B±0.20	C±0.38	D±0.25	E±0.51	F±0.38
M06DSM	6	0.780	1.102	1.221	1.534	1.784	1.030	19.81	27.99	31.01	38.96	45.31	26.16
M08DSM	8	1.092	1.414	1.533	1.846	2.096	1.342	27.74	35.92	38.94	46.89	53.24	34.09
M10DSM	10	1.404	1.726	1.845	2.158	2.408	1.654	35.66	43.84	46.86	54.81	61.16	42.01
M12DSM	12	1.716	2.038	2.157	2.470	2.720	1.966	43.59	51.77	54.79	62.74	69.09	49.94
M15DSM	15	2.184	2.506	2.625	2.938	3.188	2.434	55.47	63.65	66.68	74.63	80.98	61.82
M18DSM	18	2.652	2.974	3.093	3.406	3.656	2.902	67.36	75.54	78.56	86.51	92.86	73.71
M20DSM	20	2.964	3.286	3.405	3.718	3.968	3.214	75.29	83.46	86.49	94.44	100.79	81.64
M22DSM	22	3.276	3.598	3.717	4.030	4.280	3.526	83.21	91.39	94.41	102.36	108.71	89.56
M24DSM	24	3.588	3.910	4.029	4.342	4.592	3.838	91.14	99.31	102.34	110.29	116.64	97.49
M25DSM	25	3.744	4.066	4.185	4.498	4.748	3.994	95.10	103.28	106.30	114.25	120.60	101.45
M28DSM	28	4.212	4.534	4.653	4.966	5.216	4.462	106.98	115.16	118.19	126.14	132.49	113.33
M30DSM	30	4.524	4.846	4.965	5.278	5.528	4.774	114.91	123.09	126.11	134.06	140.41	121.26
M31DSM	31	4.680	5.002	5.121	5.434	5.684	4.930	118.87	127.05	130.07	138.02	144.37	125.22
M36DSM	36	5.460	5.782	5.901	6.214	6.464	5.710	138.68	146.86	149.89	157.84	164.19	145.03
M40DSM	40	6.084	6.406	6.525	6.838	7.088	6.334	154.53	162.71	165.74	173.69	180.04	160.88
M43DSM	43	6.552	6.874	6.993	7.306	7.556	6.802	166.42	174.60	177.62	185.57	191.92	172.77
M47DSM	47	7.176	7.498	7.617	7.930	8.180	7.426	182.27	190.45	193.47	201.42	207.77	188.62
M50DSM	50	7.644	7.966	8.085	8.398	8.648	7.894	194.16	202.34	205.36	213.31	219.66	200.51

PART NUMBER CODING

M _ _ DSM _ _ S _ _

MATERIALS (INSULATOR / CONTACT)

- E = PBT/PHOSPHOR BRONZE**
OPERATING TEMP: -65°C TO +125°C
PROCESSING TEMP: 260°C FOR 10 SECS MAX
- R = PPS/PHOSPHOR BRONZE**
OPERATING TEMP: -65°C TO +125°C
PROCESSING TEMP: 260°C FOR 120 SECS MAX
- G = PA9T/PHOSPHOR BRONZE**
OPERATING TEMP: -65°C TO +125°C
PROCESSING TEMP: 260°C FOR 20 SECS MAX
- H = PBT/BERYLLIUM COPPER**
OPERATING TEMP: -65°C TO +125°C
PROCESSING TEMP: 260°C FOR 10 SECS MAX
- A = PPS/BERYLLIUM COPPER**
OPERATING TEMP: -65°C TO +150°C
PROCESSING TEMP: 260°C FOR 120 SECS MAX
- J = PA9T/BERYLLIUM COPPER**
OPERATING TEMP: -65°C TO +150°C
PROCESSING TEMP: 260°C FOR 20 SECS MAX

MODIFICATION CODE

- OMIT FOR STANDARD, EX: 'EBM22DSMH'
- S38 = BLACK PBT (MATL CODE E AND H ONLY)
- S81 = GREEN PBT (MATL CODE E AND H ONLY)
- S328 = BROWN PPS (MATL CODE R AND A ONLY)
- S1487 = BROWN PPS (MATL CODE R AND A ONLY), DO NOT SPREAD HEADS

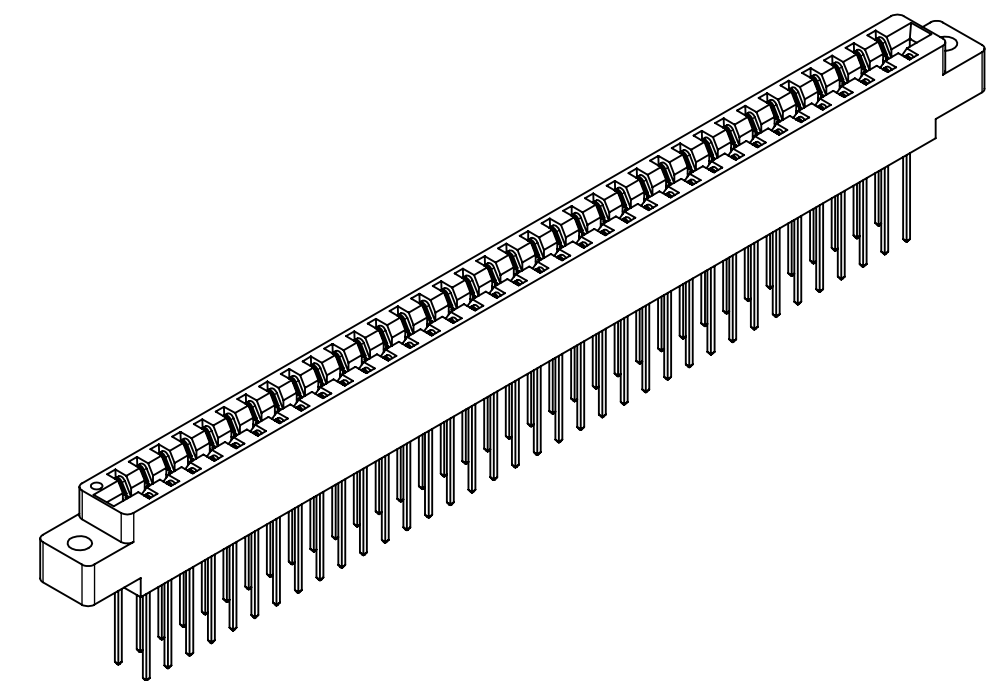
MOUNTING STYLE

- H = .125" DIA. CLEARANCE HOLES (PAGE 1)
- I = #4-40 THREADED INSERT (PAGE 2)
- S = .125" DIA. SIDE MOUNTING (PAGE 2)
- N = NO MOUNTING EARS (PAGE 2)

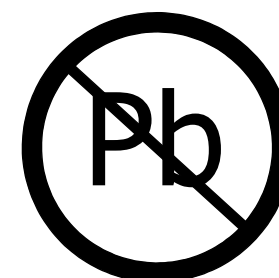
NUMBER OF POSITIONS (CONTACTS PER ROW)

PLATING

- ALL PLATINGS ARE LEAD FREE AND HAVE .000050" NICKEL UNDERPLATE
- | | |
|---|--------------------------|
| CONTACT SURFACE | TERMINATION |
| G = .000010" GOLD | .000005" GOLD |
| Y = .000030" GOLD | .000005" GOLD |
| B = .000010" GOLD | .000100" PURE TIN, MATTE |
| C = .000030" GOLD | .000100" PURE TIN, MATTE |
| **E = .000100" PURE TIN, MATTE, OVERALL | |
| S = .000010" GOLD OVERALL | |
| M = .000030" GOLD | .000010" GOLD OVERALL |
- ** OVERALL PURE TIN ONLY AVAILABLE ON MATERIAL CODES E, R AND G



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SCALE: 2:1			SHEET 3 OF 3	