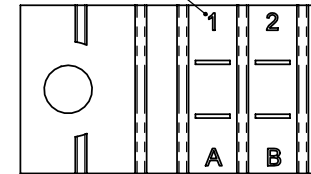


REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
A	1268	INITIAL RELEASE	2/3/07	MV
B	1390	ADD CURRENT RATING TO F MATERIAL	6/18/2007	MNH
C	1662	UPDATE DRAWING FORMAT & PART NUMBER CODING	4/23/2008	VJ

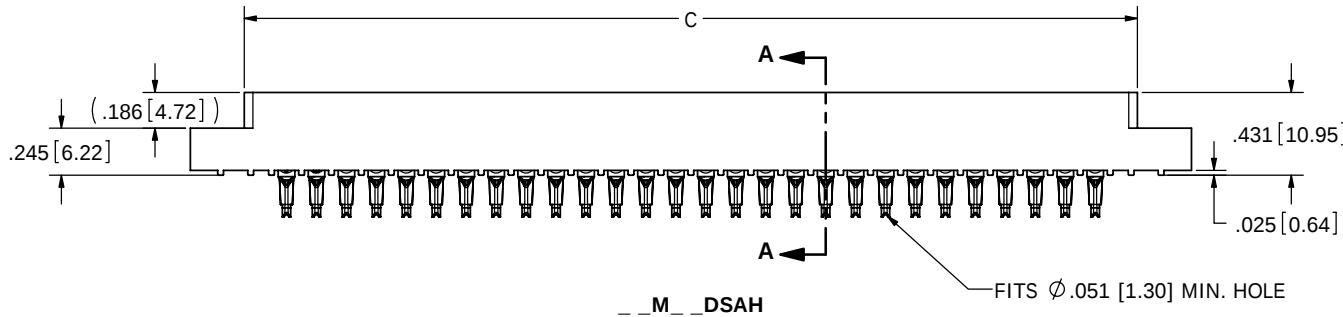
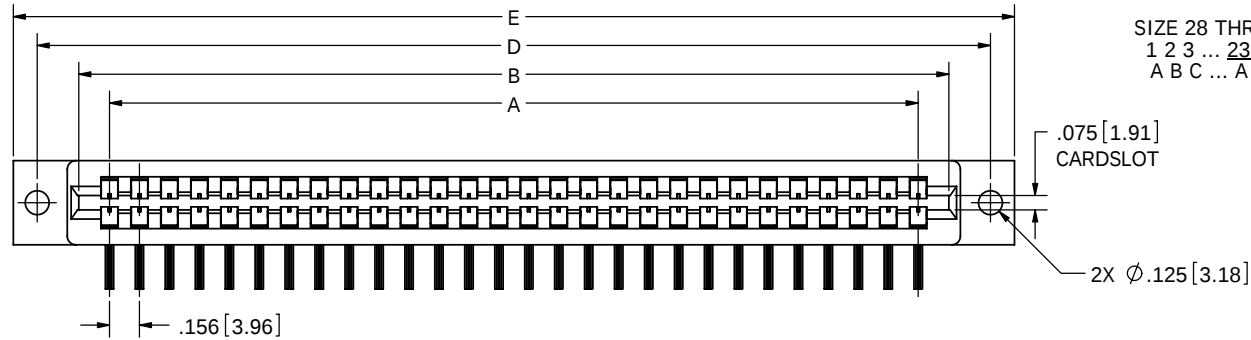
CONTACT MARKINGS
(LETTERS G, I, O, & Q NOT USED)

SIZE 02 THRU 25:
1 2 3 ... 23 24 ...
A B C ... AA BB ...

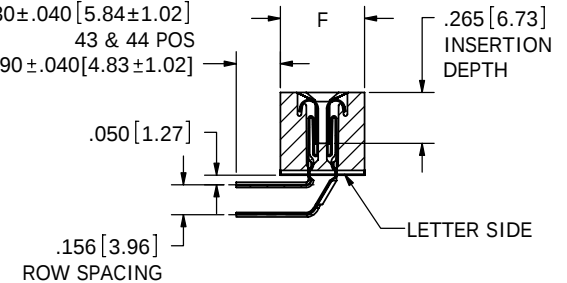
SIZE 28 THRU 44:
1 2 3 ... 23 24 ...
A B C ... A B ...



CONTACT ID
SCALE 3:1
(PINS OMITTED FOR CLARITY)



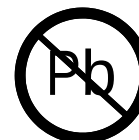
02 THRU 25 POS
.270 ± .040 [6.86 ± 1.02]
28 THRU 36 POS
.230 ± .040 [5.84 ± 1.02]
43 & 44 POS
.190 ± .040 [4.83 ± 1.02]



SECTION A-A

NOTES:

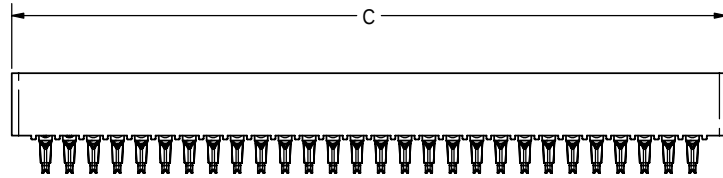
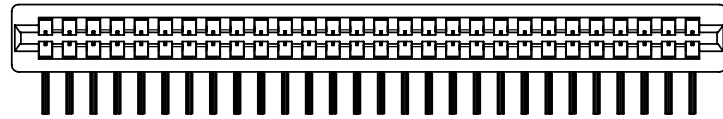
1. INSULATOR MATERIAL: SEE PART NUMBER CODING.
2. CONTACT MATERIAL: SEE PART NUMBER CODING.
3. PLATING: SEE PART NUMBER CODING.
4. TEMPERATURE: SEE PART NUMBER CODING.
5. PROCESSING TEMP: SEE PART NUMBER CODING.
6. UL FLAMMABILITY RATING: 94V-0.
7. VOLTAGE RATING: 1800 VDC MINIMUM AT SEA LEVEL.
8. CURRENT RATING: SEE PART NUMBER CODING.
9. VOLTAGE DROP: 30 MILLI VOLT AT RATED CURRENT.
10. INSULATION RESISTANCE: 5000 MEGA OHMS.
11. CONNECTOR IDENTIFICATION: THE PART SHALL BE MARKED WITH A PART NUMBER AND BARCODE.
12. BOARD THICKNESS ACCOMMODATED: .062 ± .008 [1.57 ± 0.20].
13. BOARD 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 W17.3-01.
14. BOARD WITHDRAWAL FORCE: 1 OUNCE MINIMUM PER CONTACT PAIR USING .062 [1.57] PCB.



RoHS COMPLIANT

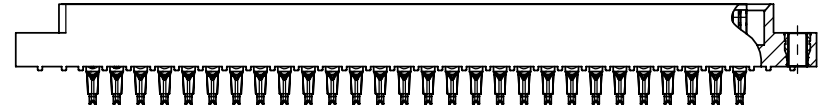
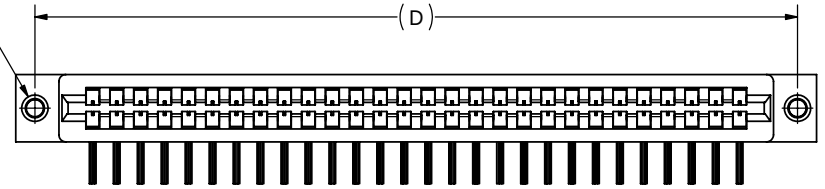
CUSTOMER COPY

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES[MM] TOLERANCES: ANGULAR: ± 30° .XX±. 02 [508] .XXX±. 005 [1270] XXXX±. 0005 [0127] SURFACE FINISH: 63 Ra REMOVE ALL BURRS AND SHARP EDGES .010 MAX	DATE 2/3/2007		NAME MV		
	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.				
INTERPRET DIMENSIONS AND GEOMETRIC TOLERANCING PER: ANSI Y14.5M-1994		DESCRIPTION EDGECARD, .156 CC, RAB			
		PART NUMBER M_DSA			
		SIZE C	DWG. NO. C10890	REV C	
		SCALE: 2:1			SHEET 1 OF 3



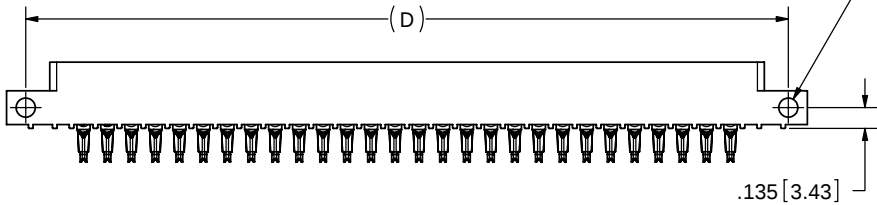
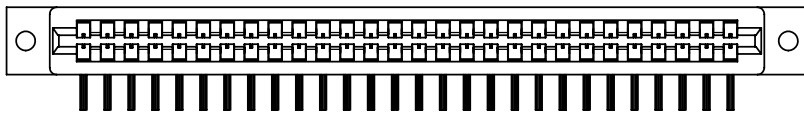
--M--DSAN

2X #4-40
THREADED
INSERT

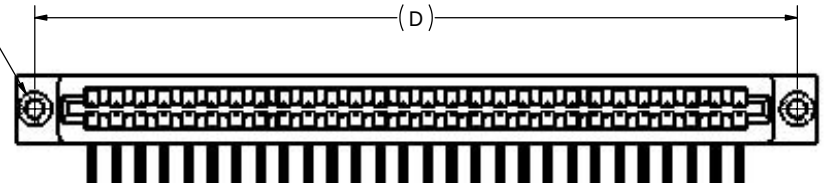


--M--DSAI

2X FLOATING BOBBIN
 $\phi .116 [2.95]$ CLEARANCE
FOR # 4 SCREW

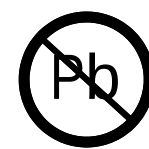


--M--DSAS

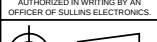


--M--DSAF

CUSTOMER COPY



RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES[MM] TOLERANCES: ANGULAR: ± 30° .XX± .02 [508] .XXX± .005 [127] XXXX± .0005 [0.127] SURFACE FINISH: 63 Ra REMOVE ALL BURRS AND SHARP EDGES .010 MAX INTERPRET DIMENSIONS AND GEOMETRIC TOLERANCING PER: ANSI Y14.5M-1994	DATE 2/3/2007		NAME MV		
	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.				DESCRIPTION EDGE CARD, .156 CC, RAB
					PART NUMBER M DSA
					SIZE C
SCALE: 2:1			SHEET 2 OF 3		

											Only applies for PPS/ PEEK insulators with threaded inSArts or floats				
PART NUMBER	NO. OF POS.	A ± .008[0.20]		B ± .008[0.20]		C ± .015[0.38]		D ± .010[0.25]		E ± .020[0.51]		E ± .020[0.51]		F ± .005[0.13]	
		IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
M02DSAN	2	0.156	3.96	0.476	12.09	0.596	15.14	"N" MOUNTING						0.325	8.26
M03DSAN	3	0.312	7.92	0.632	16.05	0.752	19.10								
M06DSA	6	0.780	19.81	1.100	27.94	1.220	30.99	1.533	38.94	1.782	45.26	1.882	47.80		
M08DSA	8	1.092	27.74	1.412	35.86	1.532	38.91	1.845	46.86	2.094	53.19	2.194	55.73		
M10DSA	10	1.404	35.66	1.724	43.79	1.844	46.84	2.157	54.79	2.406	61.11	2.506	63.65		
M11DSA	11	1.560	39.62	1.880	47.75	2.000	50.80	2.313	58.75	2.562	65.07	2.662	67.61		
M12DSA	12	1.716	43.59	2.036	51.71	2.156	54.76	2.469	62.71	2.718	69.04	2.818	71.58		
M15DSA	15	2.184	55.47	2.504	63.60	2.624	66.65	2.937	74.60	3.186	80.92	3.286	83.46		
M18DSA	18	2.652	67.36	2.972	75.49	3.092	78.54	3.405	86.49	3.654	92.81	3.754	95.35		
M22DSA	22	3.276	83.21	3.596	91.34	3.716	94.39	4.029	102.34	4.278	108.66	4.378	111.20		
M24DSA	24	3.588	91.14	3.908	99.26	4.028	102.31	4.341	110.26	4.590	116.59	4.690	119.13	0.438	11.13
M25DSA	25	3.744	95.10	4.064	103.23	4.184	106.27	4.497	114.22	4.746	120.55	4.846	123.09		
M28DSA	28	4.212	106.98	4.532	115.11	4.652	118.16	4.965	126.11	5.214	132.44	5.314	134.98		
M36DSA	36	5.460	138.68	5.780	146.81	5.900	149.86	6.213	157.81	6.462	164.13	6.562	166.67	0.500	12.70
M43DSA	43	6.552	166.42	6.872	174.55	6.992	177.60	7.305	185.55	7.554	191.87	7.654	194.41		
M44DSA	44	6.708	170.38	7.028	178.51	7.148	181.56	7.461	189.51	7.710	195.83	7.810	198.37		

PART NUMBER CODING

- M - DSA -

MATERIAL (INSULATOR/CONTACT)

E = PBT/PHOSPHOR BRONZE

OPERATING TEMP: -65°C TO +125°C @ 3 AMPS PER CONTACT
OPERATING TEMP: -65°C TO +21°C @ 5 AMPS PER CONTACT
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
CURRENT RATING PER CONTACT: 5 AMPS

G = PA9T/PHOSPHOR BRONZE

OPERATING TEMP: -65°C TO +125°C
PROCESSING TEMP: 260°C FOR 120 SECS MAX
CURRENT RATING PER CONTACT: 5 AMPS

H = PBT/BERYLLIUM COPPER

OPERATING TEMP: -65°C TO +125°C @ 3 AMPS PER CONTACT
OPERATING TEMP: -65°C TO +105°C @ 5 AMPS PER CONTACT
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
CURRENT RATING PER CONTACT: 5 AMPS

J = PA9T/BERYLLIUM COPPER

OPERATING TEMP: -65°C TO +150°C
PROCESSING TEMP: 260°C FOR 120 SECS MAX
CURRENT RATING PER CONTACT: 5 AMPS

F = PPS/SPINODAL (CONSULT FACTORY)

AVAILABLE IN OVERALL GOLD ONLY (S OR M PLATING CODE)
OPERATING TEMP: -65°C TO +200°C
PROCESSING TEMP: 260°C FOR 120 SECS MAX
CURRENT RATING PER CONTACT: 3 AMPS

C = PPS/BERYLLIUM COPPER (CONSULT FACTORY)

AVAILABLE IN OVERALL GOLD ONLY (S OR M PLATING CODE)
OPERATING TEMP: -65°C TO +200°C @ 2 AMPS PER CONTACT
OPERATING TEMP: -65°C TO +173°C @ 3 AMPS PER CONTACT
PROCESSING TEMP: 260°C FOR 120 SECS MAX

W = PEEK/BERYLLIUM COPPER (CONSULT FACTORY)

AVAILABLE IN OVERALL GOLD ONLY (S OR M PLATING CODE)
OPERATING TEMP: -65°C TO +250°C
CURRENT RATING PER CONTACT: 3 AMPS
(CONSULT FACTORY FOR OTHER MATERIALS)

MOUNTING STYLE

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

NUMBER OF POSITIONS
(CONTACTS PER ROW)

PLATING

ALL PLATINGS ARE LEAD FREE AND HAVE .000050" NICKEL UNDERPLATE

CONTACT SURFACE

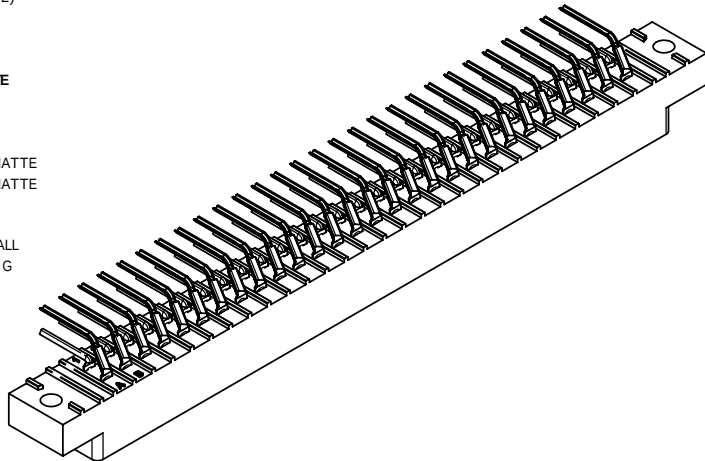
G = .000010" GOLD
Y = .000030" GOLD
B = .000010" GOLD
C = .000030" GOLD
* E = .000100" PURE TIN, MATTE, OVERALL
S = .000010" GOLD OVERALL
M = .000030" GOLD

TERMINATION

.000005" GOLD
.000005" GOLD
.000100" PURE TIN, MATTE
.000100" PURE TIN, MATTE

.000010" GOLD OVERALL

** OVERALL TIN ONLY AVAILABLE ON MATERIAL CODES E, R AND G



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RoHS COMPLIANT

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INTERPRET DIMENSIONS AND GEOMETRIC TOLERANCING PER: ANSI Y14.5M-1994		PART NUMBER M DSA				
SIZE C		DWG. NO. C10890			REV C	
SCALE: 2:1		SHEET 3 OF 3				