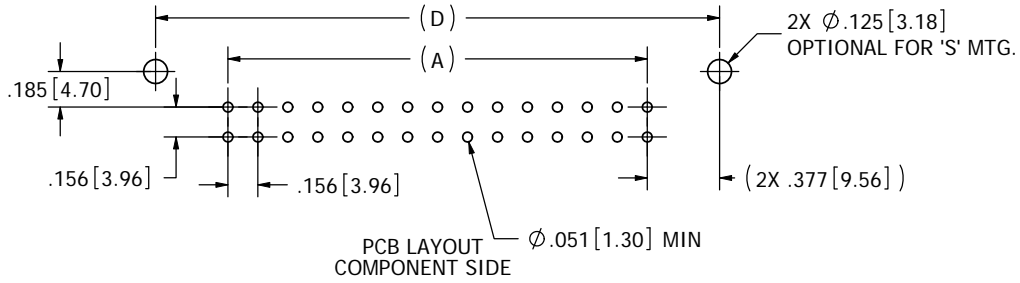


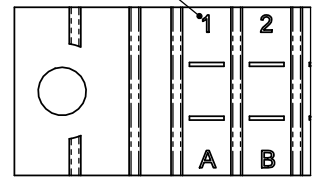
REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
A	1749	INITIAL RELEASE	7-10-08	MNH



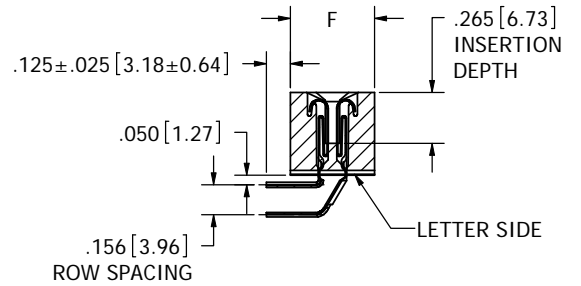
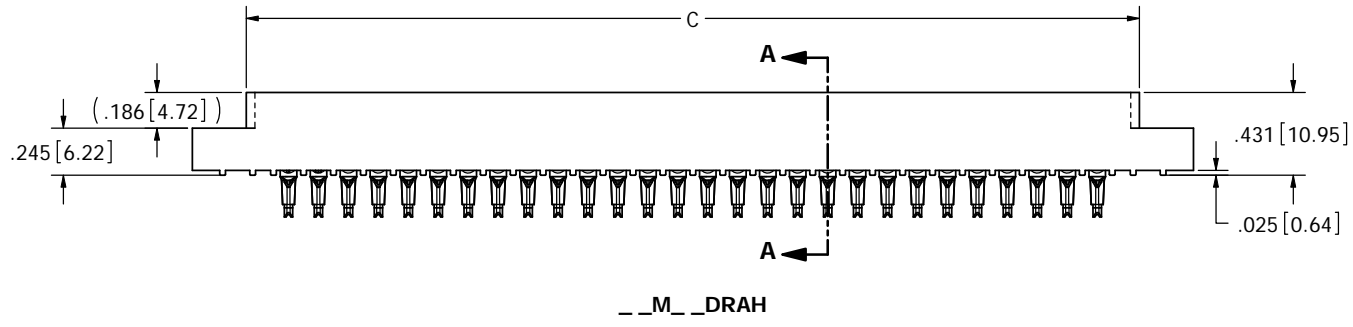
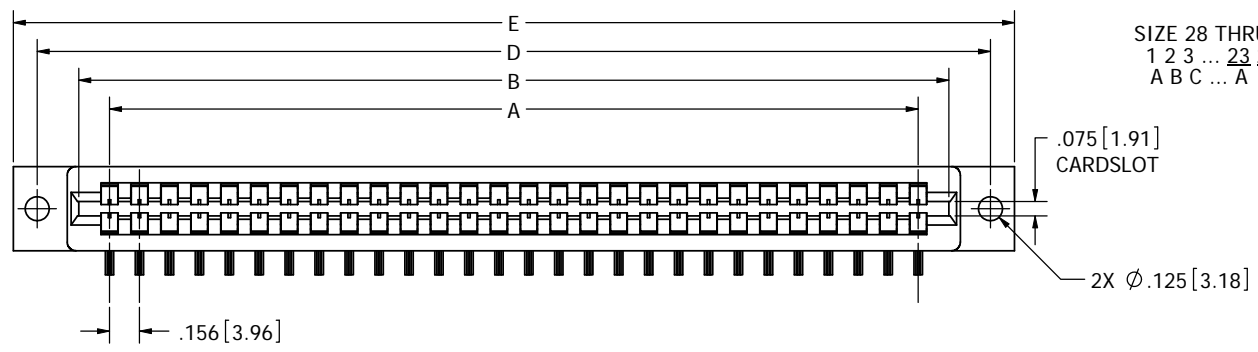
CONTACT MARKINGS  
(LETTERS G, I, O, & Q NOT USED)

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)

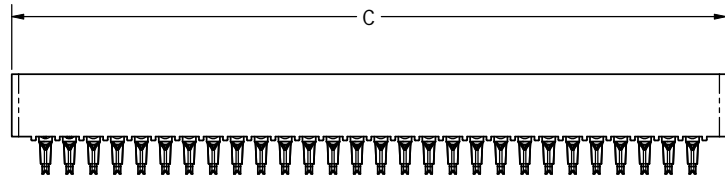
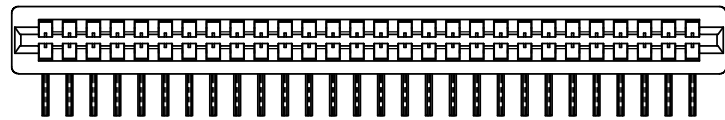


- NOTES:
1. INSULATOR MATERIAL: SEE PART NUMBER CODING.
  2. CONTACT MATERIAL: SEE PART NUMBER CODING.
  3. PLATING: SEE PART NUMBER CODING.
  4. TEMPERATURE: SEE PART NUMBER CODING.
  5. PROCESSING TEMP: SEE PART NUMBER CODING.
  6. UL FLAMMABILITY RATING: 94V-0.
  7. VOLTAGE RATING: 1800 VDC MINIMUM 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:  $.062 \pm .008$  [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.



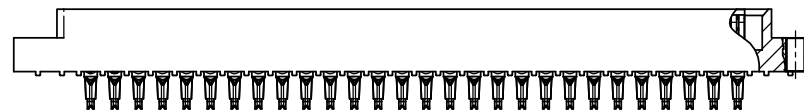
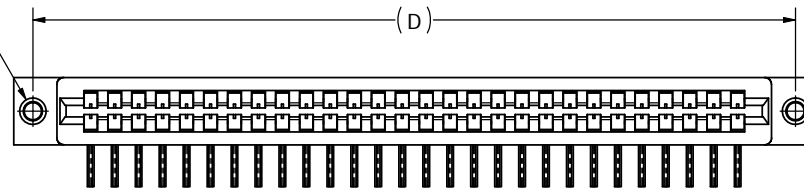
CUSTOMER COPY

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: 7-10-08 NAME: MNH	<p>EDGECARD, .156 CC, RAB</p>
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.		<p>PART NUMBER: __M__DRAH</p> <p>SIZE: C</p> <p>DWG. NO: C11126</p> <p>REV: A</p> <p>SCALE: 2:1</p>	
INTERPRET DIMENSIONS AND GEOMETRIC TOLERANCING PER: ANSI Y14.5M-1994			SHEET 1 OF 3



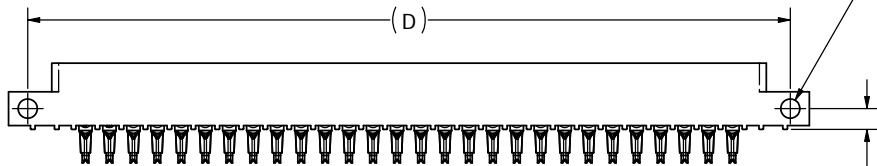
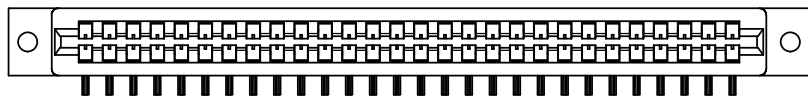
\_\_M\_\_DRAN

2X #4-40  
THREADED  
INSERT

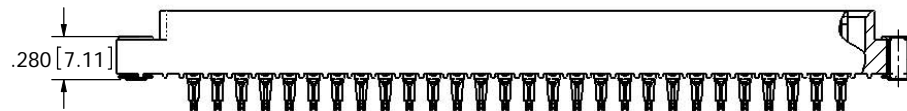
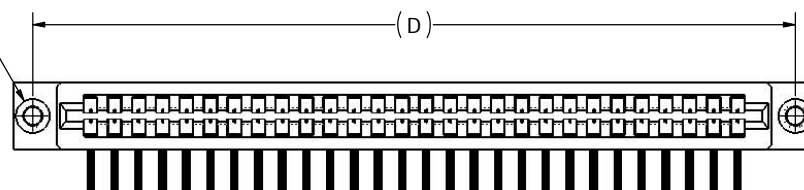


\_\_M\_\_DRAI

2X FLOATING BOBBIN  
Ø .116 [2.95] CLEARANCE  
FOR # 4 SCREW



\_\_M\_\_DRAS



\_\_M\_\_DRAF

**CUSTOMER COPY**



RoHS COMPLIANT

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

INTERPRET DIMENSIONS AND GEOMETRIC TOLERANCING PER: ANSI Y14.5M-1994

DRAWN	DATE	NAME
	7-10-08	MNH

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.

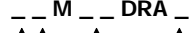


DESCRIPTION EDGECARD, 156 CC, RAB		
PART NUMBER __M__DRA__		
SIZE	DWG. NO	REV
C	C11126	A
SCALE: 2:1		SHEET 2 OF 3

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		
M02DRAN	2	0.156	3.96	0.476	12.09	0.596	15.14	"N" MOUNTING								0.325	8.26
M03DRAN	3	0.312	7.92	0.632	16.05	0.752	19.10										
M06DRA	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	0.438	11.13		
M08DRA	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				
M10DRA	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				
M11DRA	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				
M12DRA	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				
M15DRA	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				
M18DRA	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				
M22DRA	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				
M24DRA	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				
M25DRA	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				
M28DRA	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	0.500	12.70		
M36DRA	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				
M43DRA	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	0.500	12.70		
M44DRA	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



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 NICKEL (CONSULT FACTORY)**  
AVAILABLE IN OVERALL GOLD ONLY (S OR M PLATING CODE)  
OPERATING TEMP: -65°C TO +200°C @ 3 AMPS PER CONTACT  
PROCESSING TEMP: 260°C FOR 120 SECS MAX
- W = PEEK/BERYLLIUM NICKEL (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)

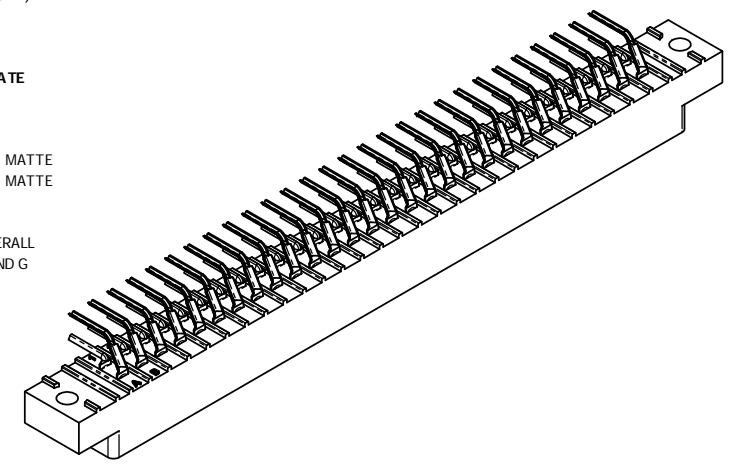
MOUNTING STYLE

- 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)

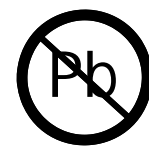
NUMBER OF POSITIONS (CONTACTS PER ROW)

PLATING

- ALL PLATINGS ARE LEAD FREE AND HAVE .000050" NICKEL UNDERPLATE
- |   |                          |
|---|--------------------------|
| CONTACT SURFACE                         | 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 TIN ONLY AVAILABLE ON MATERIAL CODES E, R AND G



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RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN INCHES[MM]  
TOLERANCES:  
ANGULAR: ± 30'  
XX ± .02 [508]  
XXX ± .005 [1270]  
XXXX ± .0005 [0127]  
SURFACE FINISH: 63 Rz  
REMOVE ALL BURRS AND SHARP EDGES .010 MAX

INTERPRET DIMENSIONS AND GEOMETRIC TOLERANCING PER: ANSI Y14.5M-1994

DRAWN	7-10-08	DATE	MNH	NAME
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DESCRIPTION EDGECARD, 156 CC, RAB				
PART NUMBER M_DRA				
SIZE	C	DWG. NO	C11126	REV
SCALE: 2:1				A
SHEET 3 OF 3				