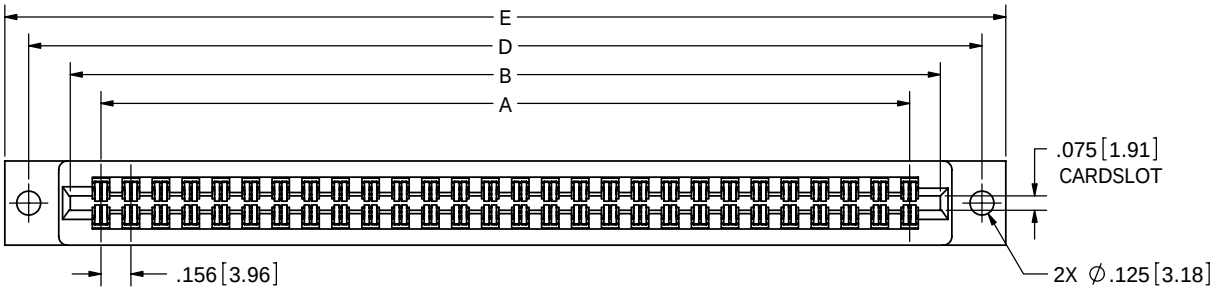
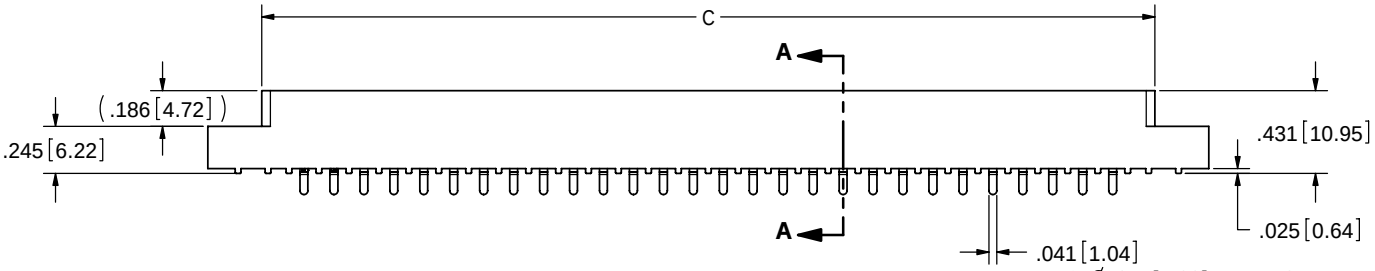
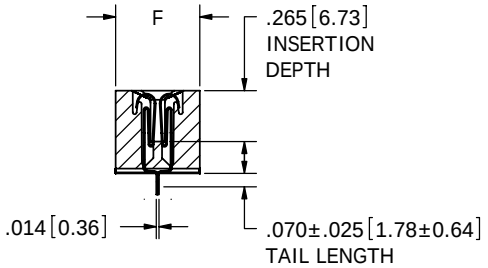
REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
A	1269	INITIAL RELEASE	2/3/2007	MV
B	1390	ADD PIN WIDTH CALL-OUT; ADD CURRENT RATING TO F MATERIAL	6/18/2007	MNH
C	1662	UPDATE DRAWING FORMAT & PART NUMBER CODING	4/24/2008	VJ

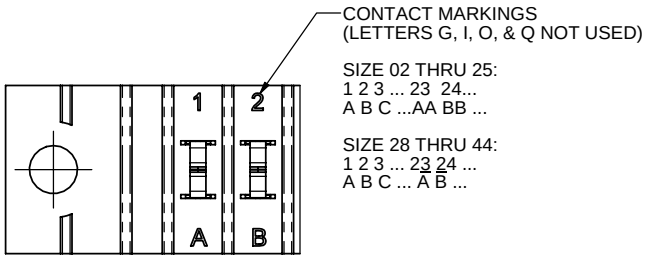




_ _M_ _DSXH



SECTION A-A



CONTACT ID
SCALE 4 : 1

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 ACCOMMMODATED: .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.

Pb

RoHS COMPLIANT

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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

	DATE	NAME
DRAWN	2/3/2007	MV

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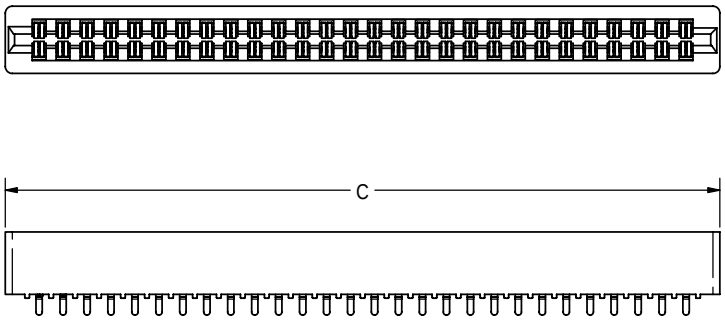
SULLINS CONNECTOR SOLUTIONS

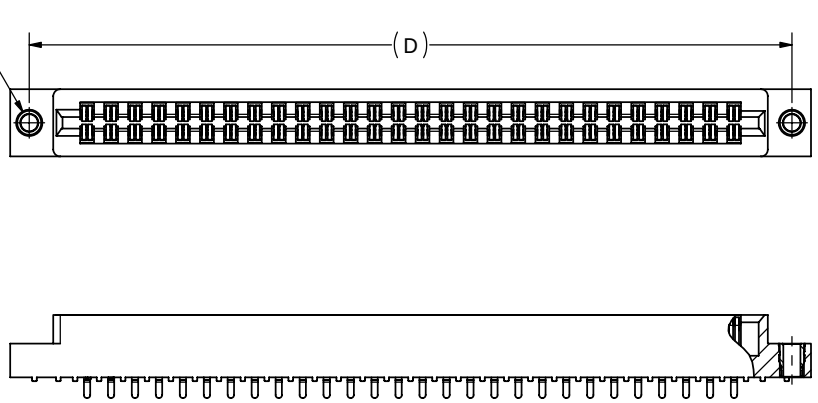
DESCRIPTION: EDGECARD, .156 CC, LP
PART NUMBER: _ _M_ _DSX_

SIZE	DWG. NO.	REV
C	C10891	C

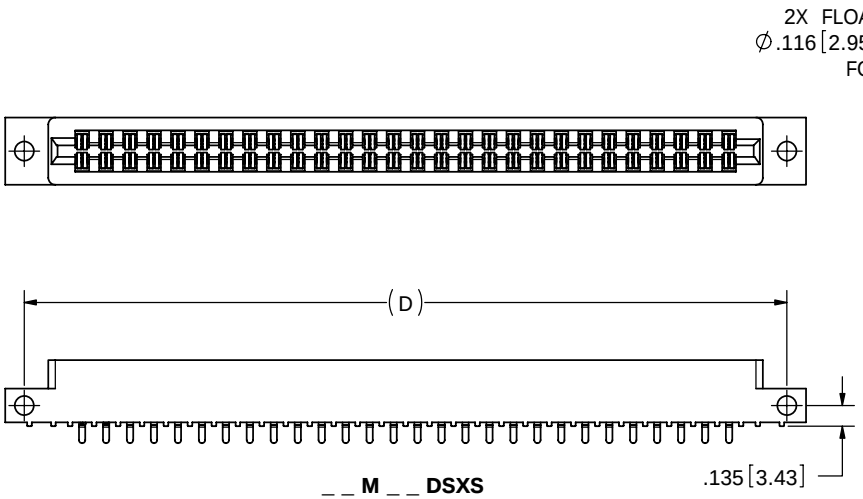
SCALE: 2:1 SHEET 1 OF 3



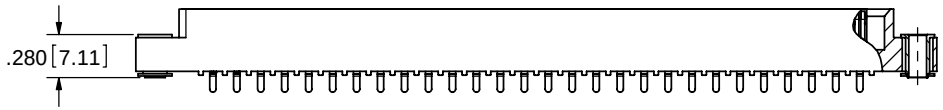
_ _M_ _DSXN



_ _ M _ _ DSXI



_ _ M _ _ DSXS



_ _M_ _DSXF

CUSTOMER COPY

RoHS COMPLIANT

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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

	DATE	NAME
DRAWN	2/3/2007	MV

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SULLINS CONNECTOR SOLUTIONS

DESCRIPTION: EDGECARD, .156 CC, LP

PART NUMBER: _ _M_ _DSX_

SIZE	DWG. NO.	REV
C	C10891	C

SCALE: 2:1 SHEET 2 OF 3

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]		Only applies for PPS/PEEK insulators with threaded inSXrts or floats E ±.020[0.51]		F ±.005[0.13]	
		IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
_ _ M02DSXN	2	0.156	3.96	0.476	12.09	0.596	15.14	"N" MOUNTING						0.325	8.26
_ _ M03DSXN	3	0.312	7.92	0.632	16.05	0.752	19.10								
_ _ M06DSX _	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		
_ _ M08DSX _	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		
_ _ M10DSX _	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		
_ _ M11DSX _	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		
_ _ M12DSX _	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		
_ _ M15DSX _	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		
_ _ M18DSX _	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		
_ _ M22DSX _	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		
_ _ M24DSX _	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		
_ _ M25DSX _	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		
_ _ M28DSX _	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	0.438	11.13
_ _ M36DSX _	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		
_ _ M43DSX _	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
M44DSX	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 _ _ DSX _

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)

NUMBER OF POSITIONS (CONTACTS PER ROW)

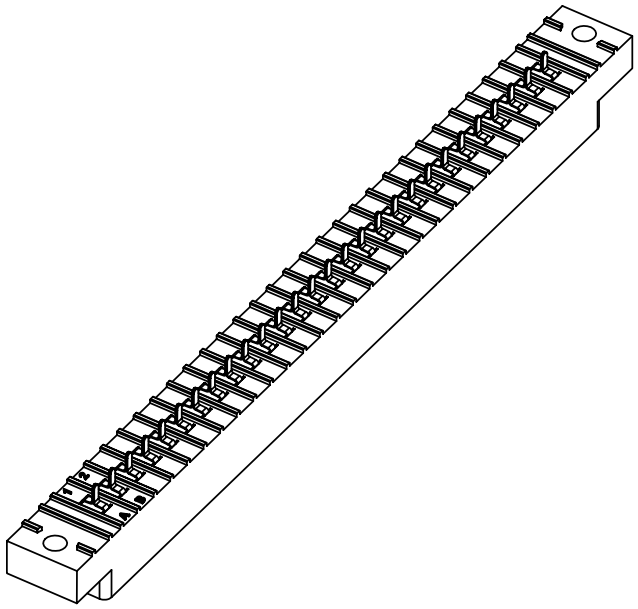
MOUNTING STYLE
- H = .125" DIA. CLEARANCE HOLES (PAGE 1)
- N = NO MOUNTING EARS (PAGE 2)
- S = .125" DIA. SIDE MOUNTING (PAGE 2)
- I = #4-40 THREADED INSERT (PAGE 2)
- F = FLOATING BOBBIN (PAGE 2)

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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	DATE	NAME
DRAWN	2/3/2007	MV

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SULLINS CONNECTOR SOLUTIONS

DESCRIPTION: EDGECARD, .156 CC, LP
PART NUMBER: _ _M_ _DSX_

SIZE	DWG. NO.	REV
C	C10891	C

SCALE: 1:1 SHEET 3 OF 3