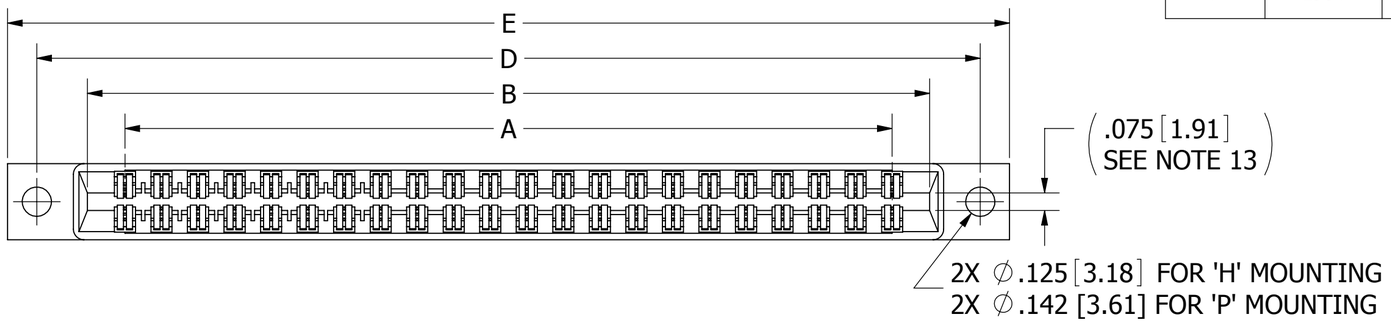
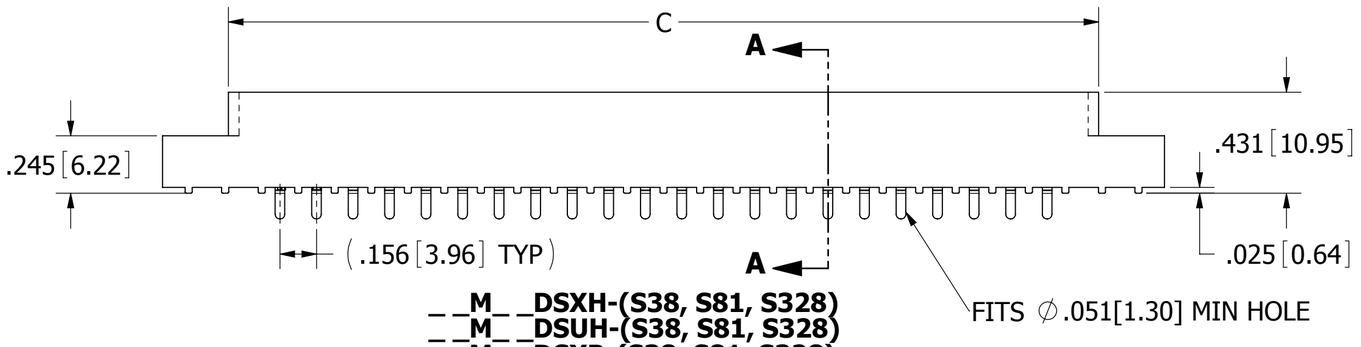
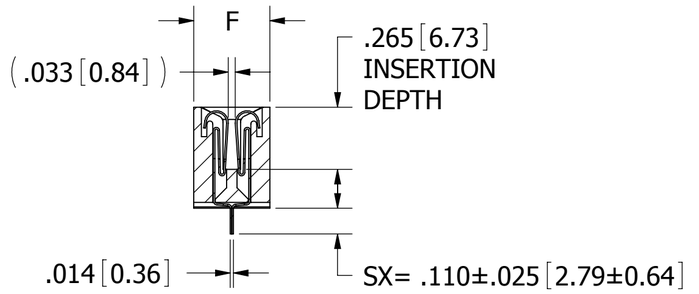
REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
D	1772	ADDED SU TERMINATION AND PCB LAYOUT, REMOVED F MOUNTING, UPDATED FORMAT, NOTES & TABULATION	08/05/11	SE
E	2804	ADD S38, S81, S328 OPTIONS & UPDATE DIM. 'E' FOR 'I' & DWG FORMAT	7/18/2013	JH
F	2904	ADD 'P' MOUNTING OPTION	1/28/2014	NC

PRELIMINARY

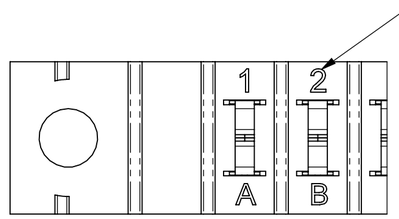




_ _M_ _DSXH-(S38, S81, S328)
_ _M_ _DSUH-(S38, S81, S328)
_ _M_ _DSXP-(S38, S81, S328)
_ _M_ _DSUP-(S38, S81, S328)



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. OPERATING TEMPERATURE: SEE PART NUMBER CODING
5. PROCESSING TEMP: SEE PART NUMBER CODING
6. UL FLAMMABILITY RATING: 94V-0
7. OPERATING VOLTAGE: 950 VAC MINIMUM AT SEA LEVEL
8. CURRENT RATING: 3 AMP
9. CONTACT RESISTANCE: 30 MILLI OHMS MAX
10. INSULATION RESISTANCE: 5000 MEGA OHMS
11. DURABILITY: 500 CYCLES MIN
12. CONNECTOR IDENTIFICATION: THE PART SHALL BE MARKED WITH A PART NUMBER AND LOT CODE
13. BOARD THICKNESS ACCOMMODATED: .062±.008[1.57±0.20]
14. 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
15. WITHDRAWAL FORCE: 1 OZ MIN PER CONTACT PAIR USING .062[1.57] PCB
16. MODIFICATION: SEE PART NUMBER CODING

RoHS COMPLIANT

CUSTOMER COPY

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES [MM]

TOLERANCES:

ANGULAR: ± 1°

DECIMALS
.XX=± .02 [.5]
.XXX=± .005 [.13]
.XXXX=± .0005 [.013]

DRAWN	DATE	NAME
	02/03/07	MV

SULLINS CONNECTOR SOLUTIONS

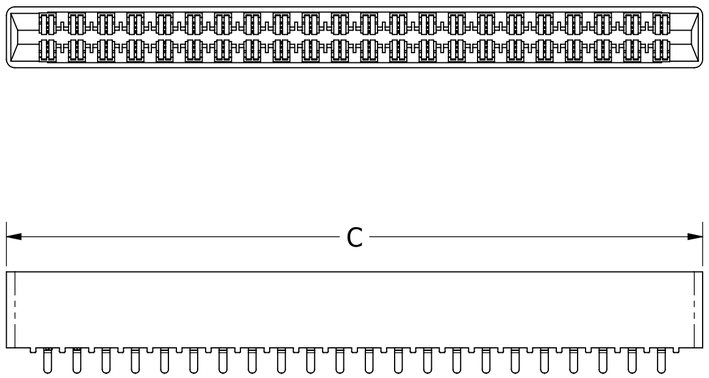
TITLE: EDGECARD, .156 CC, LP

PART NUMBER: _ _M_ _DSX(DSU)_

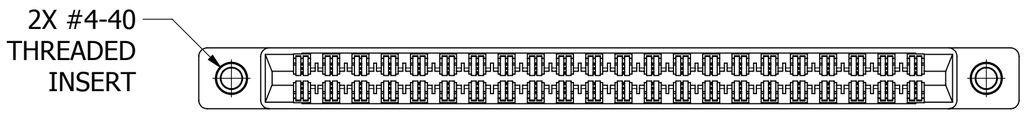
SIZE	CAGE CODE	DWG. NO.	REV
C	54453	C10891	F

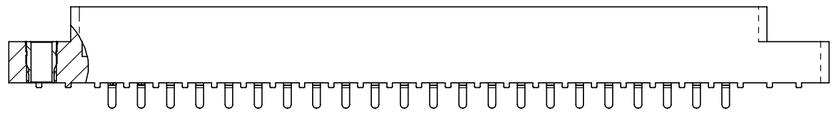
SCALE: 2:1 SHEET 1 OF 3

FILE NAME: C10891, _ _M_ _DSX(DSU)_-(S38, S81, S328)

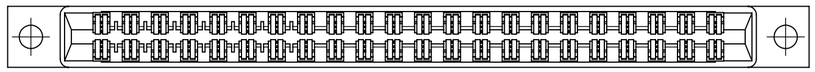


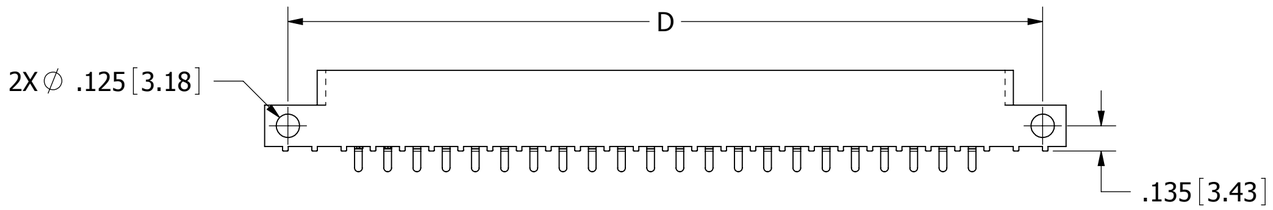
_ _M_ _DSXN-(S38, S81, S328)
_ _M_ _DSUN-(S38, S81, S328)





_ _ M _ _ DSXI-(S38, S81, S328)
_ _ M _ _ DSUI-(S38, S81, S328)





_ _ M _ _ DSXS-(S38, S81, S328)
_ _ M _ _ DSUS-(S38, S81, S328)

CUSTOMER COPY

RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES [MM]

TOLERANCES:

ANGULAR: ± 1°

DECIMALS
.XX= ± .02 [.5]
.XXX= ± .005 [.13]
.XXXX= ± .0005 [.013]

DRAWN	DATE	NAME
	02/03/07	MV

SULLINS CONNECTOR SOLUTIONS

TITLE: EDGECARD, .156 CC, LP

PART NUMBER: _ _M_ _DSX(DSU)_

SIZE	CAGE CODE	DWG. NO.	REV
C	54453	C10891	F

SCALE: 2:1 SHEET 2 OF 3

FILE NAME: C10891, _ _M_ _DSX(DSU)_-(S38, S81, S328)

								Only applies to connectors with threaded inserts							
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] -.015[0.38]**	
		IN	**MM**	**IN**	**MM**	**IN**	**MM**	**IN**	**MM**	**IN**	**MM**	**IN**	**MM**	**IN**	**MM**
_ _ M02D_ _N-(S38, S81, S328)	2	0.156	3.96	0.476	12.09	0.596	15.14	"N" MOUNTING						0.325	8.26
_ _ M03D_ _N-(S38, S81, S328)	3	0.312	7.92	0.632	16.05	0.752	19.10								
_ _ M04D_ _N-(S38, S81, S328)	4	0.468	11.89	0.788	20.02	0.908	23.06								
_ _ M06D_ _ _-(S38, S81, S328)	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		
_ _ M08D_ _ _-(S38, S81, S328)	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		
_ _ M10D_ _ _-(S38, S81, S328)	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		
_ _ M11D_ _ _-(S38, S81, S328)	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		
_ _ M12D_ _ _-(S38, S81, S328)	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		
_ _ M15D_ _ _-(S38, S81, S328)	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		
_ _ M18D_ _ _-(S38, S81, S328)	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		
_ _ M22D_ _ _-(S38, S81, S328)	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		
_ _ M24D_ _ _-(S38, S81, S328)	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		
_ _ M25D_ _ _-(S38, S81, S328)	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		
_ _ M28D_ _ _-(S38, S81, S328)	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
_ _ M36D_ _ _-(S38, S81, S328)	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		
_ _ M43D_ _ _-(S38, S81, S328)	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
_ _ M44D_ _ _-(S38, S81, S328)	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 _ _ D_ _ _ - S_ _ _

MATERIAL (INSULATOR/CONTACT)

E = PBT/PHOSPHOR BRONZE
OPERATING TEMP: -65ºC TO +125ºC
PROCESSING TEMP: WAVE/MANUAL SOLDERING

R = PPS/PHOSPHOR BRONZE
OPERATING TEMP: -65ºC TO +125ºC
PROCESSING TEMP: 260ºC FOR 120 SECS MAX

G = PA9T/PHOSPHOR BRONZE
OPERATING TEMP: -65ºC TO +125ºC
PROCESSING TEMP: 260ºC FOR 20 SECS MAX

H = PBT/BERYLLIUM COPPER
OPERATING TEMP: -65ºC TO +125ºC
PROCESSING TEMP: WAVE/MANUAL SOLDERING

A = PPS/BERYLLIUM COPPER
OPERATING TEMP: -65ºC TO +150ºC
PROCESSING TEMP: 260ºC FOR 120 SECS MAX

J = PA9T/BERYLLIUM COPPER
OPERATING TEMP: -65ºC TO +150ºC
PROCESSING TEMP: 260ºC FOR 20 SECS MAX

F = PPS/SPINODAL (CONSULT FACTORY)
AVAILABLE IN OVERALL GOLD ONLY (S OR M PLATING CODE)
OPERATING TEMP: -65ºC TO +200ºC

C = PPS/BERYLLIUM NICKEL (CONSULT FACTORY)
AVAILABLE IN OVERALL GOLD ONLY (M PLATING CODE)
OPERATING TEMP: -65ºC TO +200ºC
PROCESSING TEMP: 260ºC FOR 120 SECS MAX

W = PEEK/BERYLLIUM NICKEL (CONSULT FACTORY)
AVAILABLE IN OVERALL GOLD ONLY (M PLATING CODE)
OPERATING TEMP: -65ºC TO +250ºC

(CONSULT FACTORY FOR OTHER MATERIALS)

NUMBER OF POSITIONS (CONTACTS PER ROW)

PLATING

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

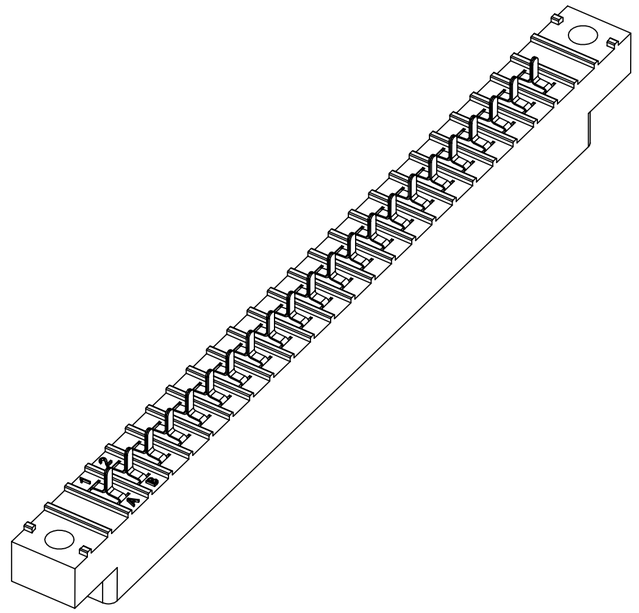
	CONTACT SURFACE	TERMINATION
G =	.000010" GOLD	.000005" GOLD
Y =	.000030" GOLD	.000005" GOLD
B =	.000010" GOLD	.000100" PURE TIN, MATTE
C =	.000030" GOLD	.000100" PURE TIN, MATTE
*E =	.000100" PURE TIN, MATTE, OVERALL	
S =	.000010" GOLD OVERALL	
M =	.000030" GOLD	.000010" GOLD OVERALL

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

TERMINATION TYPE
SX = .110[2.79] CENTERED DIP SOLDER
SU = .210[5.33] CENTERED DIP SOLDER
(SEE SHEET 1, SECTION A-A)

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)
P = .142" DIA CLEARANCE HOLE (PAGE 1)

MODIFICATION CODE
OMIT FOR STANDARD, EX: 'EBM22DSXH'
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)



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.XXX=± .005 [.13]
.XXXX=± .0005 [.013]

DRAWN	DATE	NAME
	02/03/07	MV

SULLINS CONNECTOR SOLUTIONS

TITLE: EDGECARD, .156 CC, LP

PART NUMBER: _ _M_ _DSX(DSU)_

SIZE	CAGE CODE	DWG. NO.	REV
C	54453	C10891	F

SCALE: 1:1 | SHEET 3 OF 3

FILE NAME: C10891, _ _M_ _DSX(DSU)_-(S38, S81, S328)