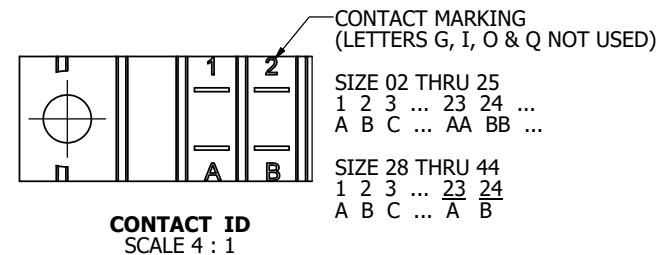
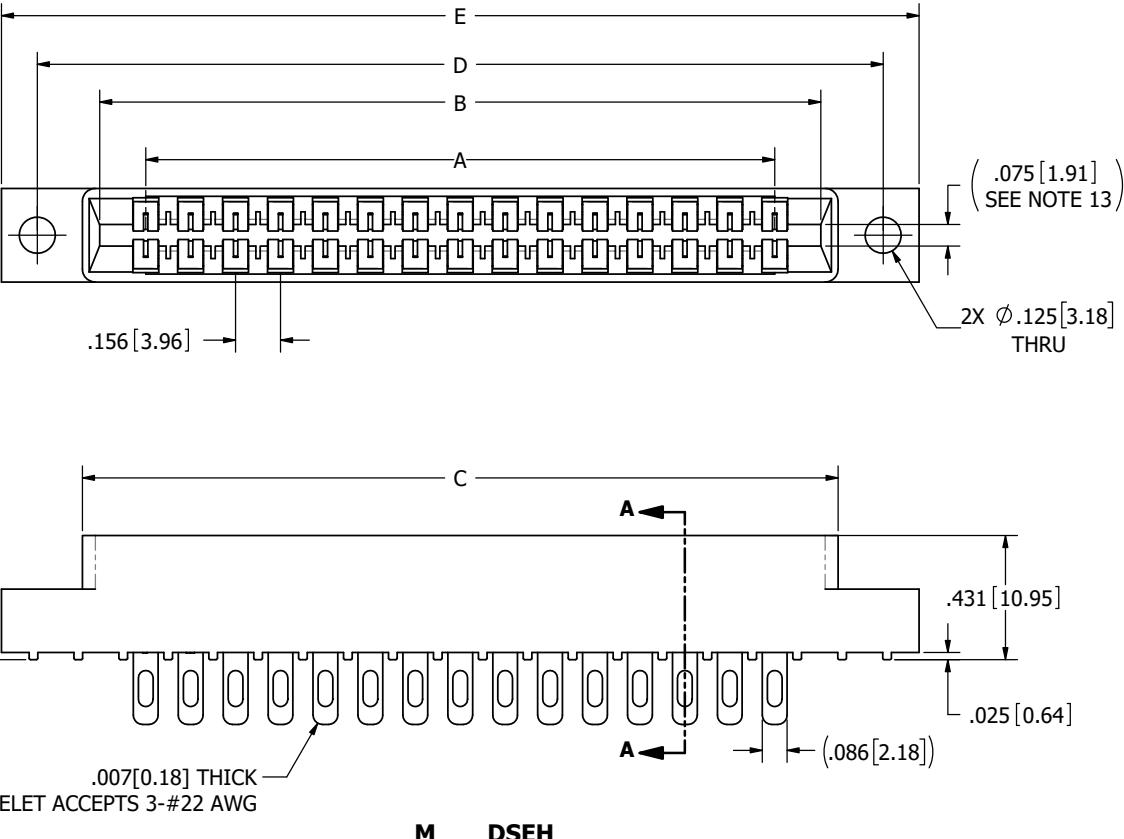


## REVISONS

REV.	ECO. NO	DESCRIPTION	DATE	BY
F	4133	CHANGE NOTE 8 (WAS 3A), REMOVE 'N' ONLY IN DIM TABLE FOR POSITION 2, 3 & 4, ADD REF ROW SPACING	10/23/2019	JH
H	4874	ADD POSITION 40 & 30, REMOVE C & W MATERIAL	2/7/2025	JH



## 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
8. CURRENT RATING: 5 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:  $.062 \pm .008$  [ $1.57 \pm 0.20$ ]
14. INSERTION FORCE: 16 OZ MAX PER CONTACT PAIR WHEN USING A  $.062$  [1.57] TEST BLADE  
INTERNAL INSPECTION TO BE PER SULLINS WORK INSTRUCTION WI-8.6-03
15. WITHDRAWAL FORCE: 1 OZ MIN PER CONTACT PAIR USING  $.062$  [1.57] TEST BLADE
16. MODIFICATION: SEE PART NUMBER CODING

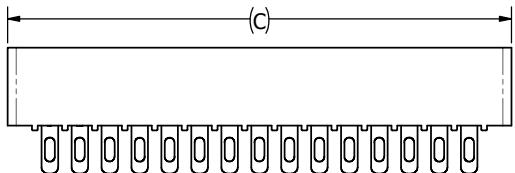
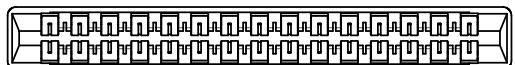
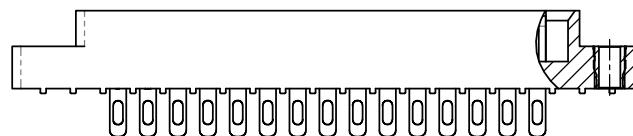
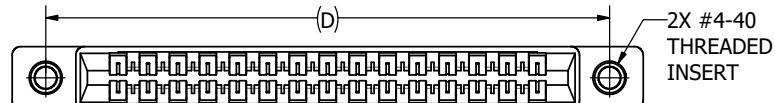
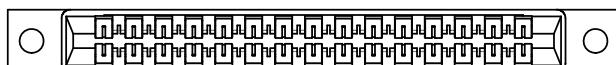
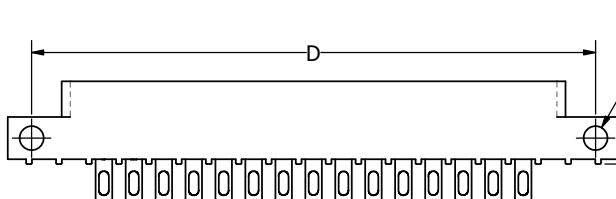
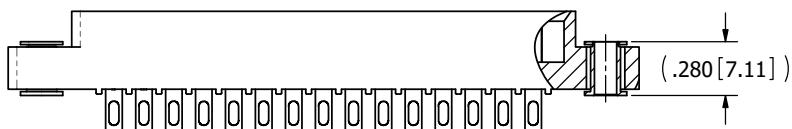
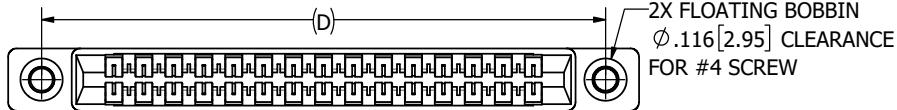
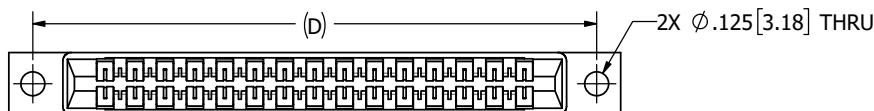
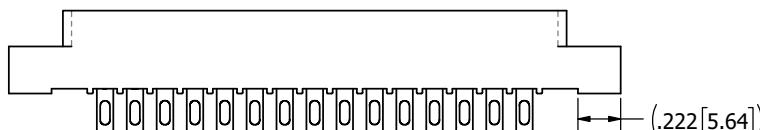


UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN INCHES [MM]

TOLERANCES:  
ANGULAR:  $\pm 1^\circ$   
DECIMALS:  
 $XX = \pm .02$  [5]  
 $XXX = \pm .005$  [13]  
 $XXXX = \pm .0005$  [013]

DRAWN	DATE	NAME	<b>SULLINS</b> CONNECTOR SOLUTIONS		
5/29/2012	JH				TITLE
THE INFORMATION HEREIN CONTAINS UNPUBLISHED TRADE SECRET(S) OF SULLINS ELECTRONICS AND IS NOT TO BE REPRODUCED, USED OR DISCLOSED EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY AN OFFICER OF SULLINS ELECTRONICS.			EDGE CARD, .156 CC, LP		
PART NUMBER			CAGE CODE DWG. NO.		
<b>M_DSEH - (S38, S81, S328, S73, S589)</b>			C 54453 C10872		
SIZE	REV	SCA	2	1	3
C	H	3:1			
FILE NAME: C10872_M_DSEH OMIT, S38, S81, S328, S73, S589			SHEET 1 OF 3		

## CUSTOMER COPY

**-- M -- DSEN****-- M -- DSEI****-- M -- DSES****-- M -- DSEF****-- M -- DSED****(.222 [5.64])**

RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES [MM]

TOLERANCES:  
ANGULAR:  $\pm 1^\circ$   
DECIMALS  
 $XX = \pm .02 [5]$   
 $XXX = \pm .005 [13]$   
 $XXXX = \pm .0005 [013]$

DRAWN DATE NAME  
5/29/2012 JH

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OFFICER OF SULLINS ELECTRONICS.

TITLE  
EDGE CARD, .156 CC, LP  
PART NUMBER  
M\_DSE - (S38, S81, S328, S73, S589)

SIZE CAGE CODE DWG. NO.  
C 54453 C10872

REV H

SCALE: 3:1

SHEET 2 OF 3

**CUSTOMER COPY**

**SULLINS**  
CONNECTOR SOLUTIONS

FOR 'T' AND 'F'  
MOUNTING STYLES

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/- .015[+0.13/-0.38]	
		IN	MM	IN	MM										
_ M02DSE	2	0.156	3.96	0.476	12.09	0.596	15.14	0.909	23.09	1.158	29.41	1.258	31.95		
_ M03DSE	3	0.312	7.92	0.632	16.05	0.752	19.10	1.065	27.05	1.314	33.38	1.414	35.92		
_ M04DSE	4	0.468	11.89	0.788	20.02	0.908	23.06	1.221	31.01	1.470	37.34	1.570	39.88		
_ M06DSE	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		
_ M07DSE	7	0.936	23.77	1.256	31.90	1.376	34.95	1.689	42.90	1.938	49.23	2.038	51.77		
_ M08DSE	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		
_ M10DSE	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		
_ M11DSE	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		
_ M12DSE	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		
_ M15DSE	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		
_ M18DSE	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		
_ M22DSE	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		
_ M24DSE	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		
_ M25DSE	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		
_ M28DSE	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
_ M30DSE	30	4.524	114.91	4.844	123.04	4.964	126.09	5.277	134.04	5.526	140.36	5.626	142.90	0.500	12.70
_ M36DSE	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	0.438	11.13
_ M40DSE	40	6.084	154.53	6.404	162.66	6.524	165.71	6.837	173.66	7.086	179.98	7.186	182.52		
_ M43DSE	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		
_ M44DSE	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 - DSE -S-

## MATERIAL (INSULATOR/CONTACT)

E = BLUE PBT/PHOSPHOR BRONZE

OPERATING TEMP: -65°C TO +125°C

PROCESSING TEMP: WAVE/MANUAL SOLDERING ONLY

R = GREEN PPS/PHOSPHOR BRONZE

OPERATING TEMP: -65°C TO +125°C

PROCESSING TEMP: 260°C MAX FOR 20 SECONDS

G = BLACK PA9T/PHOSPHOR BRONZE

OPERATING TEMP: -65°C TO +125°C

PROCESSING TEMP: 260°C MAX FOR 20 SECONDS

A = GREEN PPS/BERYLLIUM COPPER

OPERATING TEMP: -65°C TO +150°C

PROCESSING TEMP: 260°C MAX FOR 20 SECONDS

J = BLACK PA9T/BERYLLIUM COPPER

OPERATING TEMP: -65°C TO +150°C

PROCESSING TEMP: 260°C MAX FOR 20 SECONDS

F = GREEN 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 MAX FOR 20 SECONDS

(CONSULT FACTORY FOR SPECIAL SOLDERING GUIDELINES)

## MODIFICATION CODE

OMIT FOR STANDARD, EX: 'EBM22DSE'

S38 = BLACK PBT (MATERIAL CODES 'E' OR 'H' ONLY)

S81 = GREEN PBT (MATERIAL CODES 'E' OR 'H' ONLY)

S328 = BROWN PPS (MATERIAL CODES 'R', 'A', 'F', OR 'C' ONLY)

S73 = BOARD INSERTION FORCE OF 8 OZ MAX

S589 = EQUIVALENT TO STANDARD

## MOUNTING STYLE

H = .125" DIA. CLEARANCE HOLES

I = #4-40 THREADED INSERT

S = .125" DIA. SIDE MOUNTING

N = NO MOUNTING EARS

F = FLOATING BOBBIN

D = FLUSH MOUNTING

## NUMBER OF POSITIONS

(CONTACTS PER ROW)

## PLATING

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

## CONTACT SURFACE

## TERMINATION

B = .000010" GOLD .000100" PURE TIN, MATTE

C = .000030" GOLD .000100" PURE TIN, MATTE

G = .000010" GOLD .000005" GOLD

Y = .000030" GOLD .000005" GOLD

\*\*E = .000100" PURE TIN, MATTE, OVERALL

S = .000100" GOLD OVERALL

M = .000030" GOLD .000010" GOLD OVERALL

\*\* OVERALL TIN ONLY AVAILABLE ON MATERIAL CODES 'E', 'R', OR 'G'



UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES [MM]  
TOLERANCES:  
ANGULAR: ± 1°  
DECIMALS  
XX=± .02 [5]  
XXX=± .005 [13]  
XXXX=± .0005 [013]

CUSTOMER COPY

DRAWN DATE NAME			SULLINS CONNECTOR SOLUTIONS	
5/29/2012 JH			EDGE CARD, .156 CC, LP	
PART NUMBER			M_DSE_-(S38, S81, S328, S73, S589)	
SIZE	CAGE CODE	DWG. NO.	REV	
C	54453	C10872	H	
SCALE	2:1	SHEET 3 OF 3		

