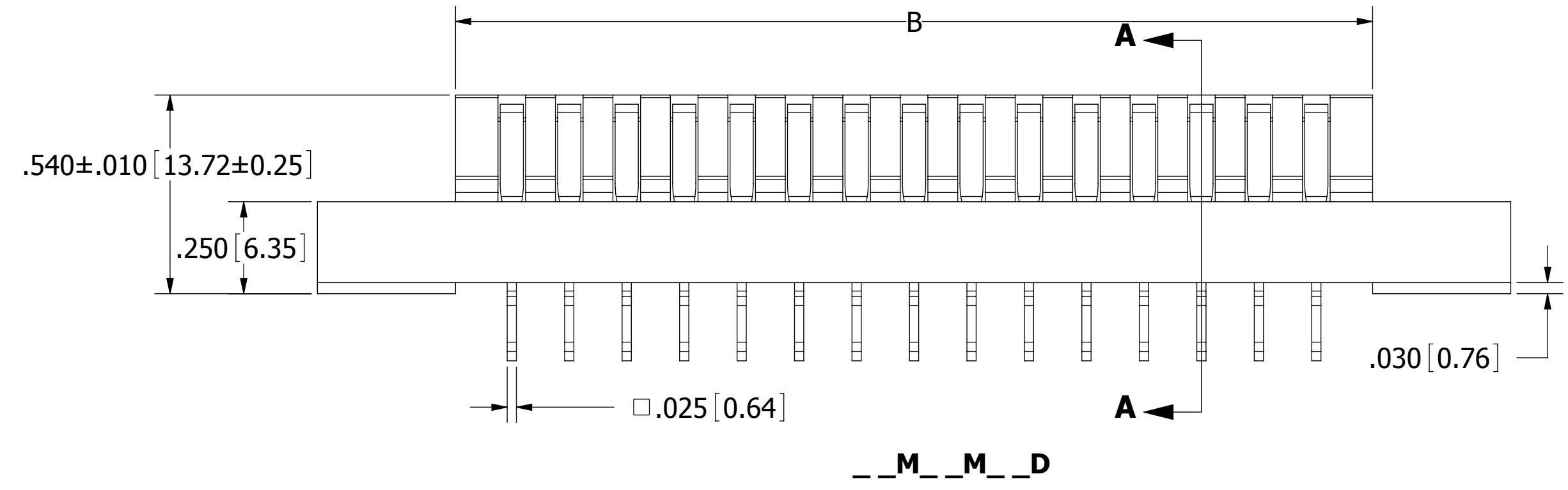
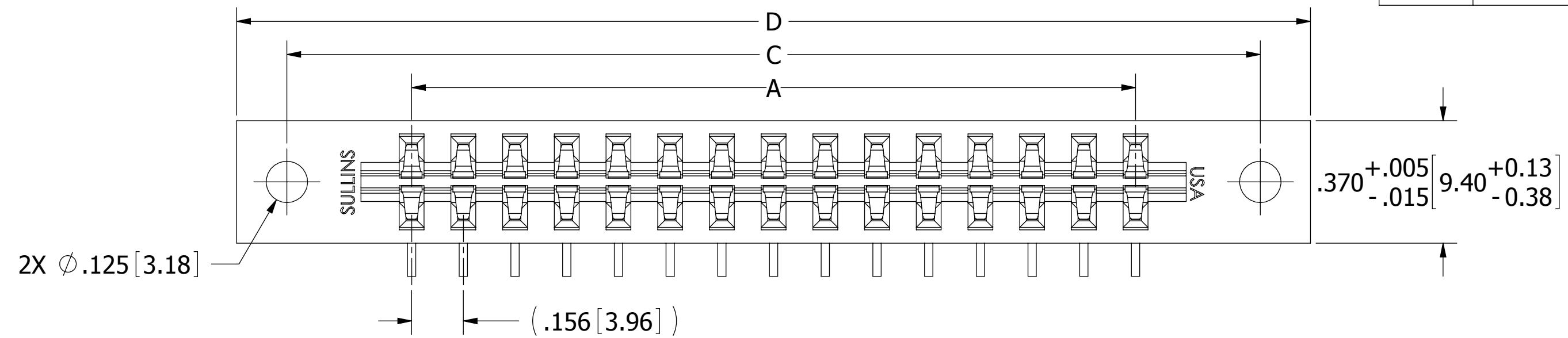


REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
D	2565	ADDED 'R' & 'A' MATERIAL OPTION	5/17/2012	KV
E	2695	UPDATE INSULATOR BLADE TO .050" WITH STEP, ADD MARKING 'USA'	10/25/2012	JH
F	3177	UPDATE DWG FORMAT, UPDATE INSERT INSTALLATION IN 'V' MOUNTING	3/10/2015	MG
H	3182	UPDATE GAP FROM PIN TO BODY TO .050 FROM .030	4/23/2015	MG



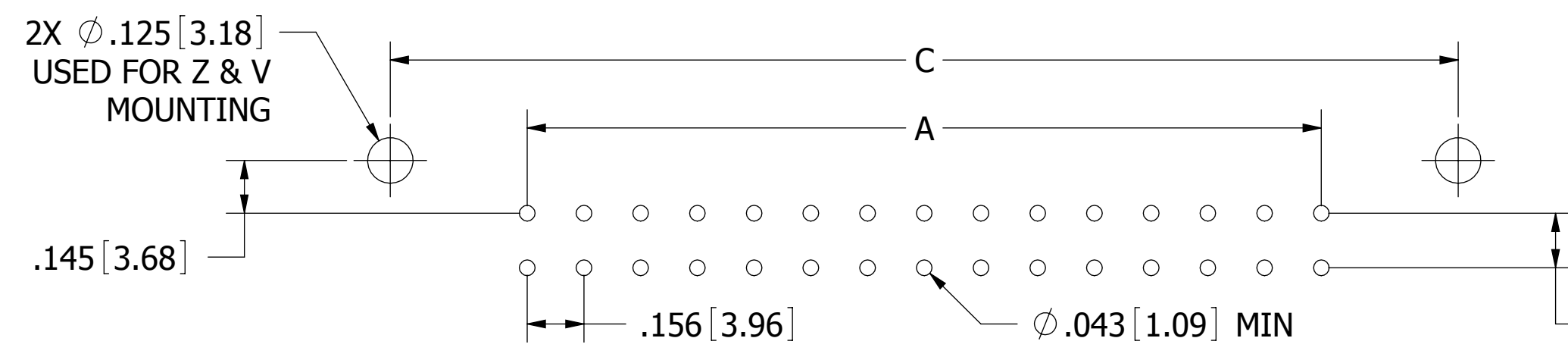
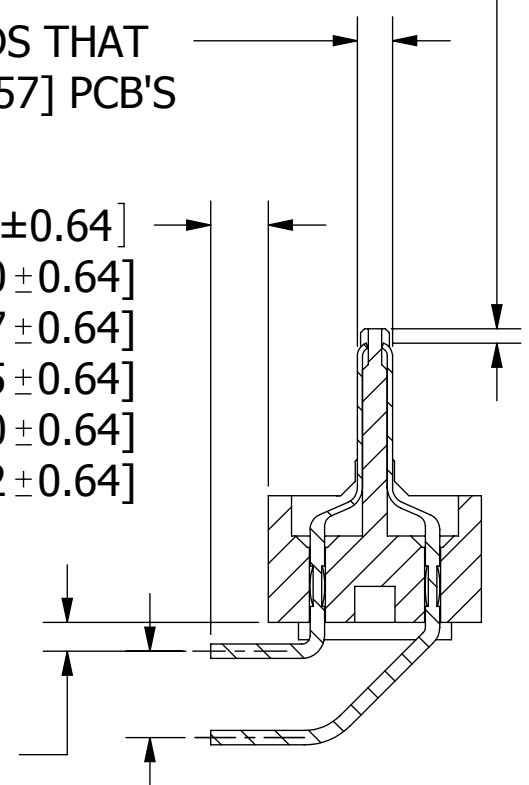
(.025 [0.64]) DEPTH FROM TOP OF INSULATOR TO TOP OF PIN

FITS EDGECARDS THAT ACCEPT .062 [1.57] PCB'S

MA = .100 ± .025 [2.54 ± 0.64]
 MV = .130 ± .025 [3.30 ± 0.64]
 MB = .180 ± .025 [4.57 ± 0.64]
 MD = .250 ± .025 [6.35 ± 0.64]
 MJ = .500 ± .025 [12.70 ± 0.64]
 MK = .560 ± .025 [14.22 ± 0.64]

.050 ± .010 [1.27 ± 0.25]

(STD = .150 [3.81] ROW SPACING)
 (S189 = .200 [5.08] ROW SPACING)



- 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: 3 AMP
 9. CONTACT RESISTANCE: 30 MILLI OHMS MAX
 10. INSULATION RESISTANCE: 5000 MEGA OHMS
 11. CONNECTOR IDENTIFICATION: PART SHALL BE MARKED WITH A PART NUMBER AND LOT CODE
 12. MODIFICATION: SEE PART NUMBER CODING

RECOMMENDED PCB LAYOUT

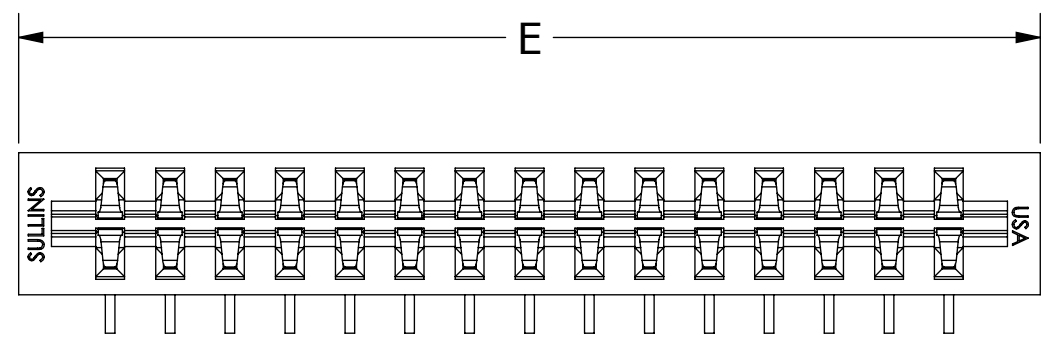
CUSTOMER COPY



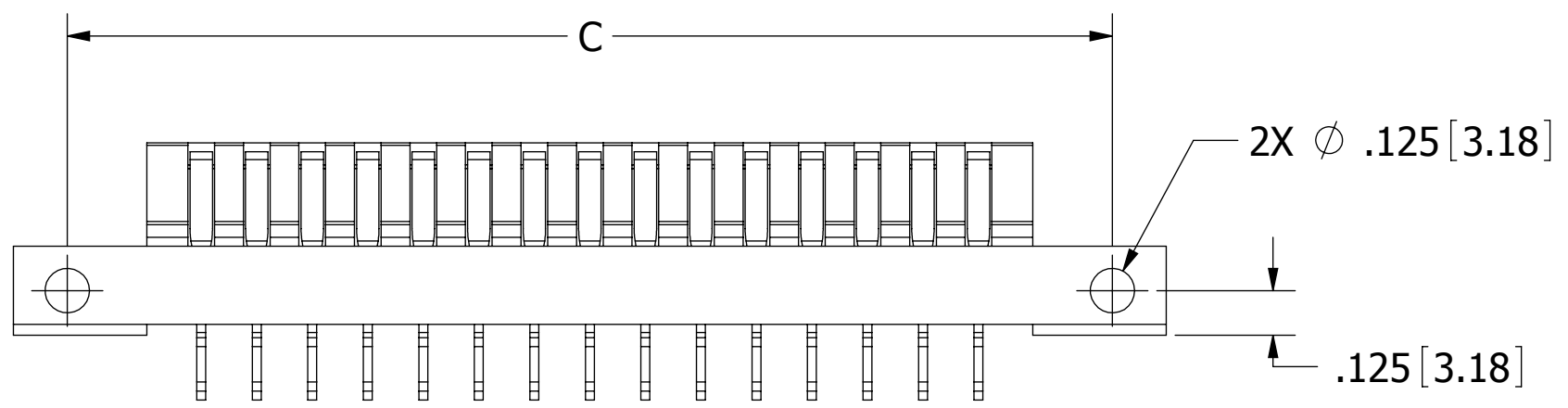
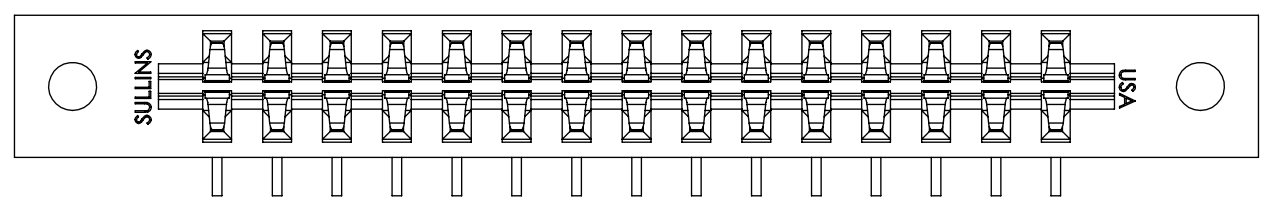
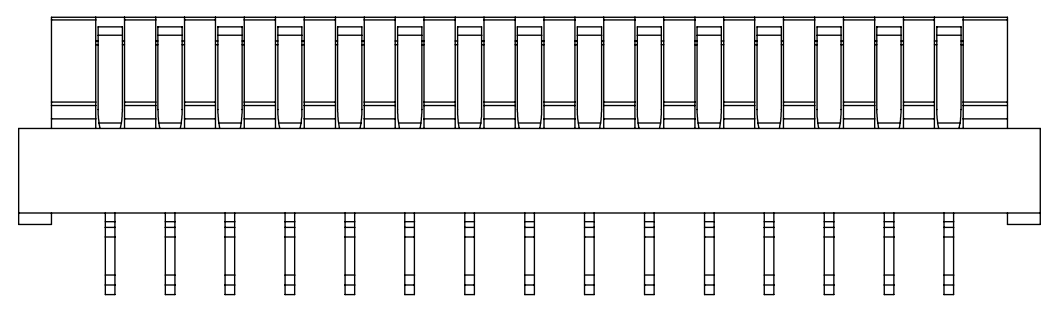
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [MM]		DRAWN	DATE	NAME	
			03/14/08	MNH	
TOLERANCES:					<small>THE INFORMATION HEREIN CONTAINS PROPRIETARY INFORMATION OF SULLINS ELECTRONICS AND IS NOT TO BE REPRODUCED, USED OR DISCLOSED TO OTHERS FOR ANY PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY AN OFFICER OF SULLINS ELECTRONICS.</small>
ANGULAR: ± 1°					
DECIMALS .XX = ± .02 [.5] .XXX = ± .005 [.13] .XXXX = ± .0005 [.013]					
		TITLE			MALE, RIGHT ANGLE BEND, .156 CC
		PART NUMBER			__M__M__ (MA, MV, MB, MD, MJ, MK)
SIZE	CAGE CODE	DWG. NO.		REV	
C	54453	C11076		H	
SCALE: 3:1		SHEET 1 OF 3			

8 7 6 5 4 3 2 1

F
E
D
C
B
A

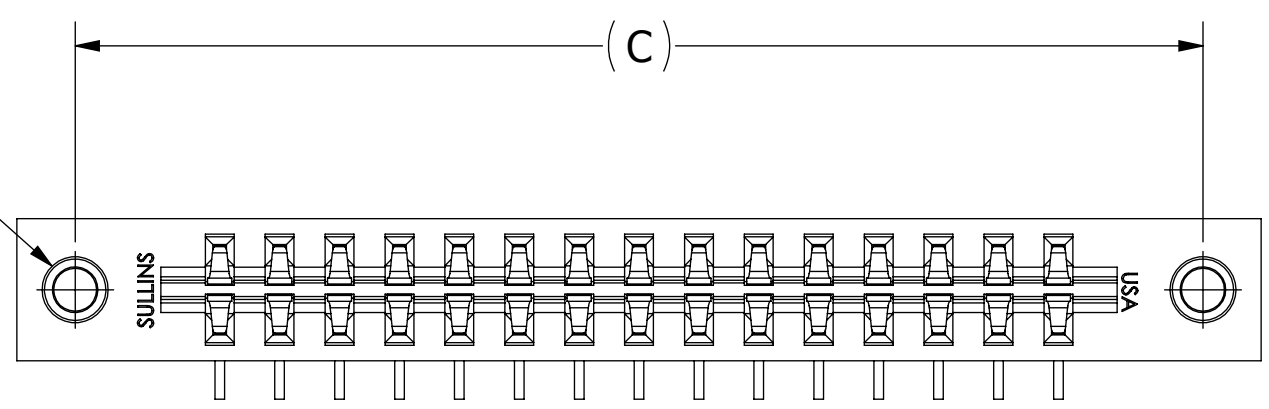


_M_M_N

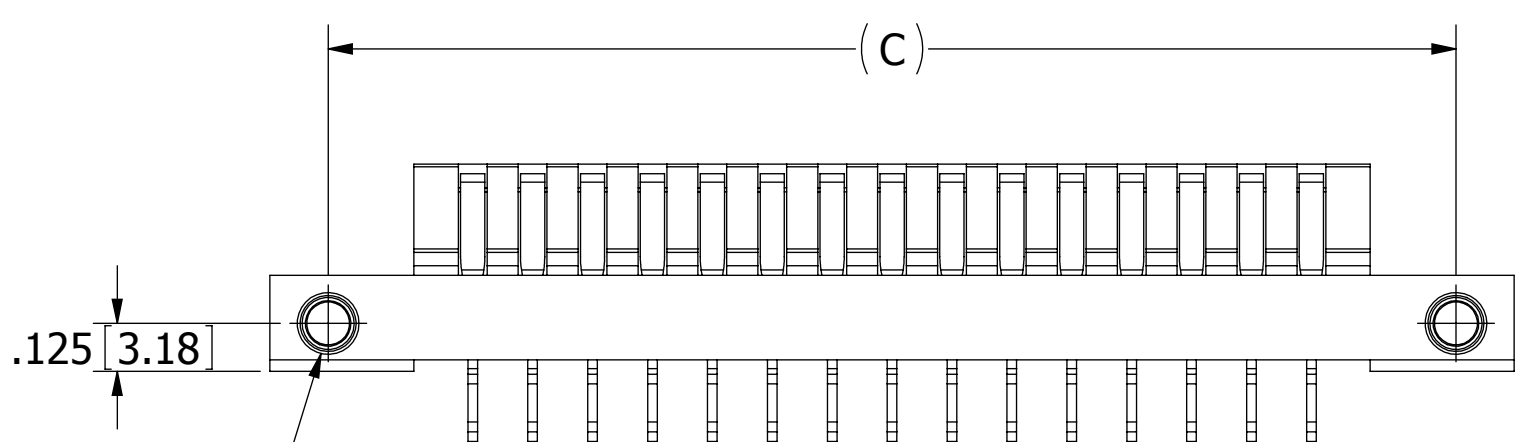
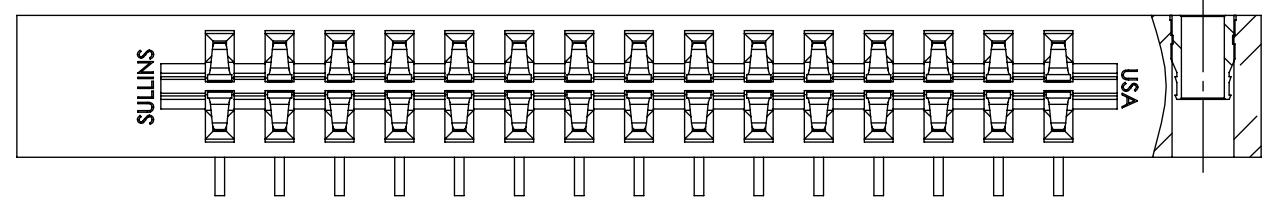
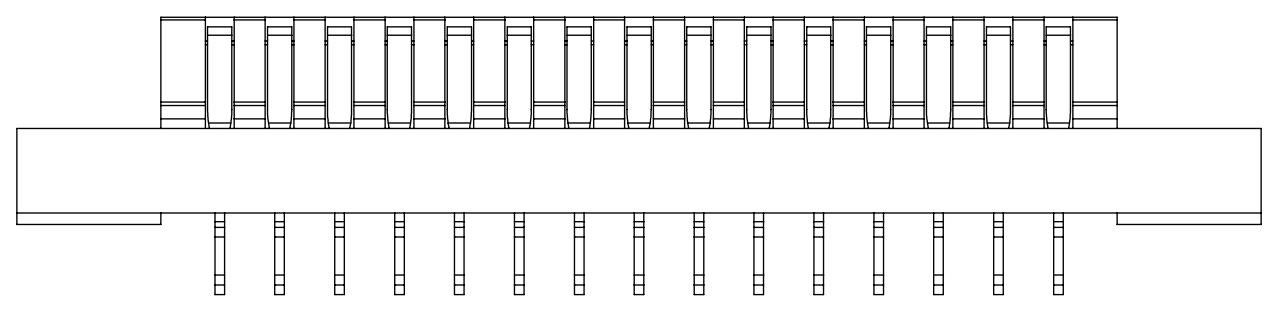


_M_M_Z

2X #4-40
THREADED
INSERTS



_M_M_T



_M_M_V

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UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES [MM]

TOLERANCES:
ANGULAR: ± 1°

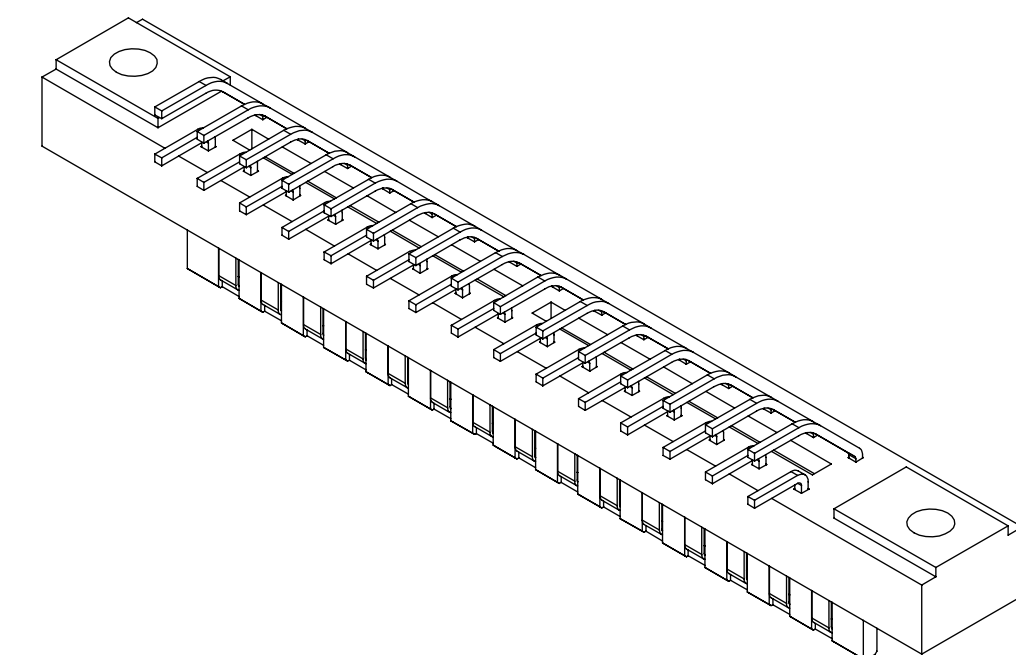
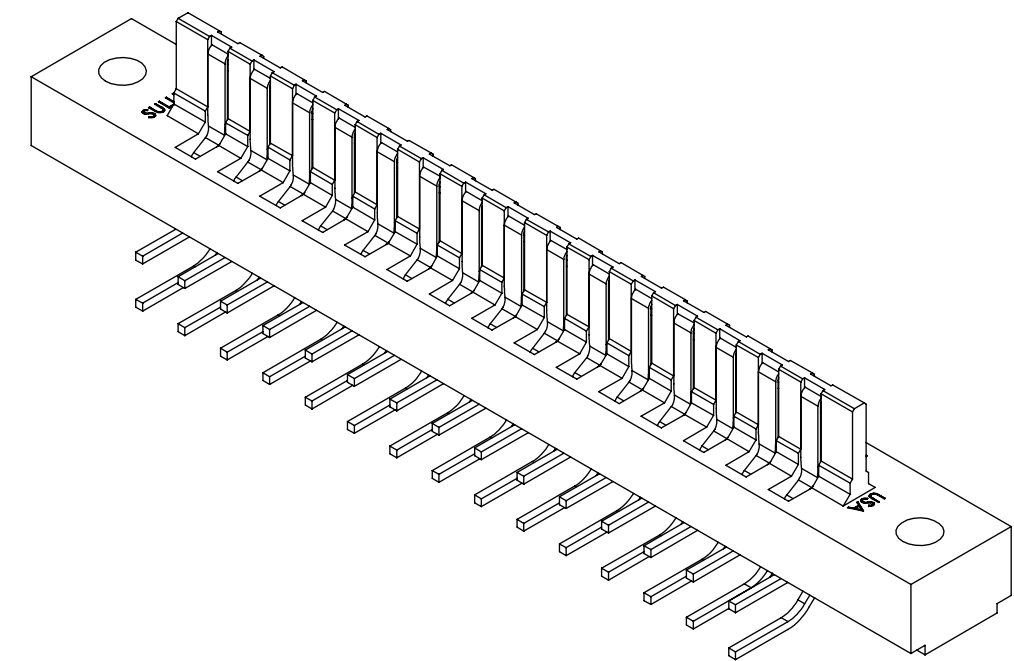
DECIMALS
.XX = ± .02 [.5]
.XXX = ± .005 [.13]
.XXXX = ± .0005 [.013]

DRAWN	DATE	NAME
	03/14/08	MNH
<small>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.</small>		

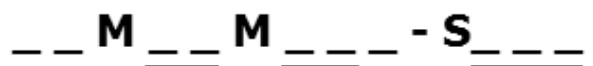


TITLE			MALE, RIGHT ANGLE BEND, .156 CC		
PART NUMBER			_M_M_ (MA,MV,MB,MD,MJ,MK)		
SIZE	CAGE CODE	DWG. NO.	REV		
C	54453	C11076	H		
SCALE: 2:1		SHEET 2 OF 3			

PART NUMBER	NO. OF POS.	A±.008[0.20]		B±.008[0.20]		C±.010[0.25]		D±.020[0.51]		*E±.020[0.51]	
		IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
M04M	4	0.468	11.89	0.774	19.66	1.221	31.01	1.524	38.71	0.944	23.98
M05M	5	0.624	15.85	0.930	23.62	1.377	34.98	1.680	42.67	1.100	27.94
M06M	6	0.780	19.81	1.086	27.58	1.533	38.94	1.836	46.63	1.256	31.90
M07M	7	0.936	23.77	1.242	31.55	1.689	42.90	1.992	50.60	1.412	35.86
M08M	8	1.092	27.74	1.398	35.51	1.845	46.86	2.148	54.56	1.568	39.83
M09M	9	1.248	31.70	1.554	39.47	2.001	50.83	2.304	58.52	1.724	43.79
M10M	10	1.404	35.66	1.710	43.43	2.157	54.79	2.460	62.48	1.880	47.75
M11M	11	1.560	39.62	1.866	47.40	2.313	58.75	2.616	66.45	2.036	51.71
M12M	12	1.716	43.59	2.022	51.36	2.469	62.71	2.772	70.41	2.192	55.68
M13M	13	1.872	47.55	2.178	55.32	2.625	66.68	2.928	74.37	2.348	59.64
M14M	14	2.028	51.51	2.334	59.28	2.781	70.64	3.084	78.33	2.504	63.60
M15M	15	2.184	55.47	2.490	63.25	2.937	74.60	3.240	82.30	2.660	67.56
M16M	16	2.340	59.44	2.646	67.21	3.093	78.56	3.396	86.26	2.816	71.53
M17M	17	2.496	63.40	2.802	71.17	3.249	82.52	3.552	90.22	2.972	75.49
M18M	18	2.652	67.36	2.958	75.13	3.405	86.49	3.708	94.18	3.128	79.45
M19M	19	2.808	71.32	3.114	79.10	3.561	90.45	3.864	98.15	3.284	83.41
M20M	20	2.964	75.29	3.270	83.06	3.717	94.41	4.020	102.11	3.440	87.38
M21M	21	3.120	79.25	3.426	87.02	3.873	98.37	4.176	106.07	3.596	91.34
M22M	22	3.276	83.21	3.582	90.98	4.029	102.34	4.332	110.03	3.752	95.30
M23M	23	3.432	87.17	3.738	94.95	4.185	106.30	4.488	114.00	3.908	99.26
M24M	24	3.588	91.14	3.894	98.91	4.341	110.26	4.644	117.96	4.064	103.23
M25M	25	3.744	95.10	4.050	102.87	4.497	114.22	4.800	121.92	4.220	107.19
M26M	26	3.900	99.06	4.206	106.83	4.653	118.19	4.956	125.88	4.376	111.15
M27M	27	4.056	103.02	4.362	110.79	4.809	122.15	5.112	129.84	4.532	115.11
M28M	28	4.212	106.98	4.518	114.76	4.965	126.11	5.268	133.81	4.688	119.08
M29M	29	4.368	110.95	4.674	118.72	5.121	130.07	5.424	137.77	4.844	123.04
M30M	30	4.524	114.91	4.830	122.68	5.277	134.04	5.580	141.73	5.000	127.00
M31M	31	4.680	118.87	4.986	126.64	5.433	138.00	5.736	145.69	5.156	130.96
M32M	32	4.836	122.83	5.142	130.61	5.589	141.96	5.892	149.66	5.312	134.92
M33M	33	4.992	126.80	5.298	134.57	5.745	145.92	6.048	153.62	5.468	138.89
M34M	34	5.148	130.76	5.454	138.53	5.901	149.89	6.204	157.58	5.624	142.85
M35M	35	5.304	134.72	5.610	142.49	6.057	153.85	6.360	161.54	5.780	146.81
M36M	36	5.460	138.68	5.766	146.46	6.213	157.81	6.516	165.51	5.936	150.77
M37M	*	5.616	142.65	5.922	150.42					6.092	154.74
M38M	*	5.772	146.61	6.078	154.38					6.248	158.70
M39M	*	5.928	150.57	6.234	158.34					6.404	162.66
M40M	*	6.084	154.53	6.390	162.31					6.560	166.62



PART NUMBER CODING *'N' MTG ONLY



MATERIAL (INSULATOR/CONTACT)

- E = PBT/PHOSPHOR BRONZE**
OPERATING TEMP: -65°C TO +125°C
PROCESSING TEMP: WAVE/MANUAL SOLDERING ONLY
- R = PPS/PHOSPHOR BRONZE**
OPERATING TEMP: -65°C TO +150°C
PROCESSING TEMP: 260°C MAX FOR 20 SECS
- G = PA9T/PHOSPHOR BRONZE**
OPERATING TEMP: -65°C TO +150°C
PROCESSING TEMP: 260°C MAX FOR 20 SECS
- A = PPS/BERYLLIUM COPPER**
AVAILABLE IN OVERALL GOLD ONLY ('S' OR 'M' PLATING)
OPERATING TEMP: -65°C TO +200°C AT 1 AMP
PROCESSING TEMP: 260°C MAX FOR 20 SECS

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 |
| Y = .000030" GOLD | .000005" GOLD |
| M = .000030" GOLD | .000010" GOLD OVERALL |
| S = .000010" GOLD OVERALL | |

MODIFICATION
OMIT FOR STANDARD
S189 = .200[5.08] ROW SPACING

- MOUNTING STYLE**
- D = FLUSH .125" DIA. CLEARANCE HOLES
 - N = NO MOUNTING EARS
 - Z = FLUSH, .125" DIA. SIDE MOUNTING
 - T = FLUSH, #4-40 THREADED INSERT
 - V = FLUSH, SIDE MOUNT #4-40 THREADED INSERT

- TERMINATION**
- MA = RIGHT ANGLE, .100[2.54] TAIL LENGTH
 - MV = RIGHT ANGLE, .130[3.30] TAIL LENGTH
 - MB = RIGHT ANGLE, .180[4.57] TAIL LENGTH
 - MD = RIGHT ANGLE, .250[6.35] TAIL LENGTH
 - MJ = RIGHT ANGLE, .500[12.70] TAIL LENGTH
 - MK = RIGHT ANGLE, .560[14.22] TAIL LENGTH

NUMBER OF POSITIONS (CONTACTS PER ROW)



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UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [MM]	DRAWN	DATE	NAME	
		03/14/08	MNH	
TOLERANCES: ANGULAR: ± 1° DECIMALS .XX = ± .02 [.5] .XXX = ± .005 [.13] .XXXX = ± .0005 [.013]	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.			TITLE MALE, RIGHT ANGLE BEND, .156 CC
	PART NUMBER M M - S (MA, MV, MB, MD, MJ, MK)			SCALE: 2:1
SIZE C 54453		DWG. NO. C11076		REV H
SHEET 3 OF 3				FILE NAME: C11076_ _M_ _M_ _ (MA, MV, MB, MD, MJ, MK), (-S189)