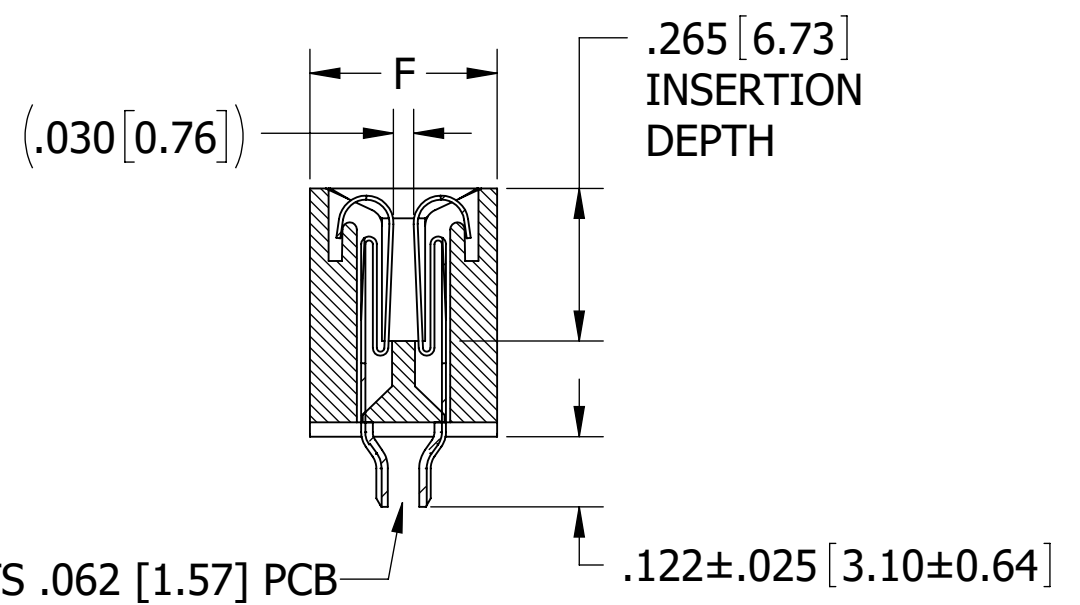
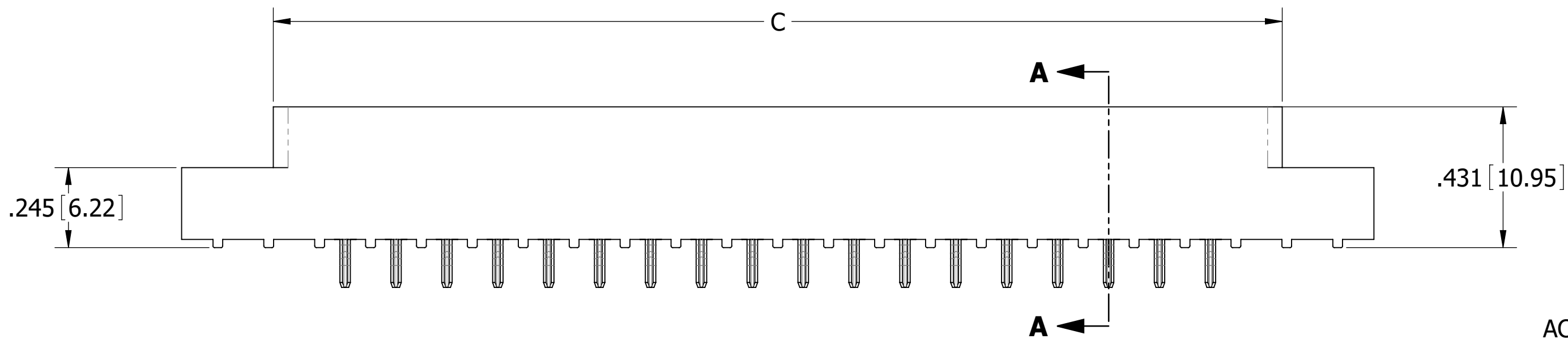
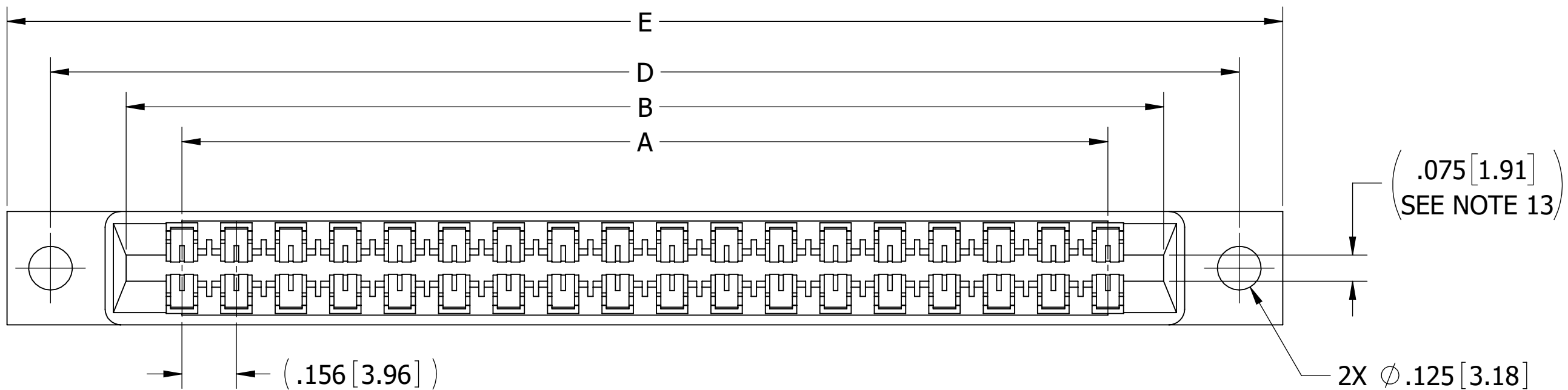
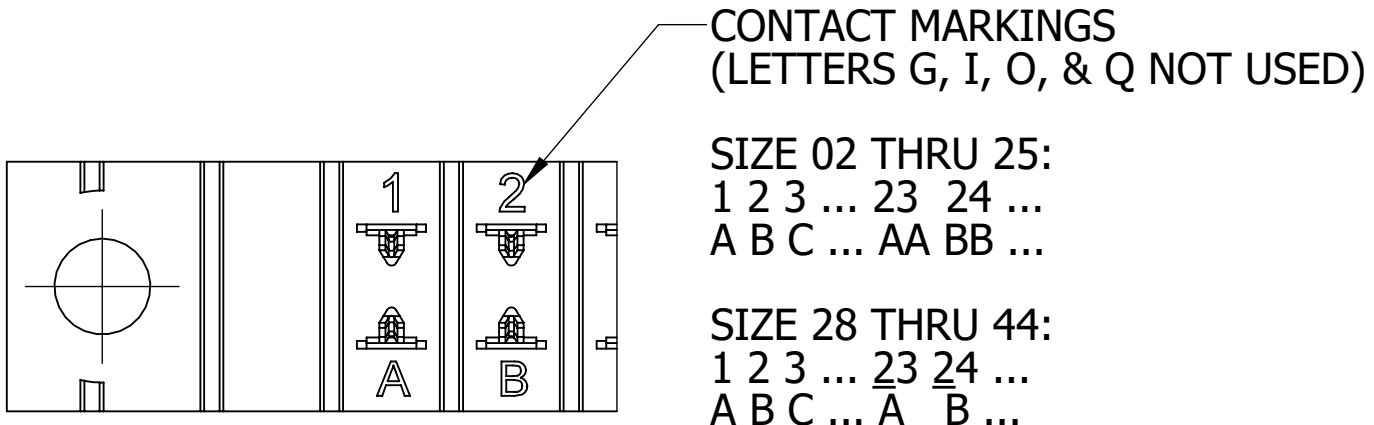


REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
J	3475	ADD S2142 OPTION	6/27/2016	EP
K	4133	UPDATE NOTE 8 (WAS 3A), ADD DIM D & E FOR POSTI 2, 3 & 4	10/23/2019	JH



- NOTES:**
- INSULATOR MATERIAL: SEE PART NUMBER CODING
 - CONTACT MATERIAL: SEE PART NUMBER CODING
 - PLATING: SEE PART NUMBER CODING
 - OPERATING TEMPERATURE: SEE PART NUMBER CODING
 - PROCESSING TEMP: SEE PART NUMBER CODING
 - UL FLAMMABILITY RATING: 94V-0
 - OPERATING VOLTAGE: 950 VAC
 - CURRENT RATING: 5 AMPS
 - CONTACT RESISTANCE: 30 MILLI OHMS MAX
 - INSULATION RESISTANCE: 5000 MEGA OHMS
 - DURABILITY: 500 CYCLES MINIMUM
 - CONNECTOR IDENTIFICATION: THE PART SHALL BE MARKED WITH A PART NUMBER AND LOT CODE
 - BOARD THICKNESS ACCOMMODATED: $.062 \pm .008 [1.57 \pm 0.20]$
 - 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 WI-8.6-03
 - WITHDRAWAL FORCE: 1 OZ MIN PER CONTACT PAIR USING $.062 [1.57]$ TEST BLADE
 - MODIFICATION: CARD EXTENDER BEND FOR $.062 [1.57]$ PCB

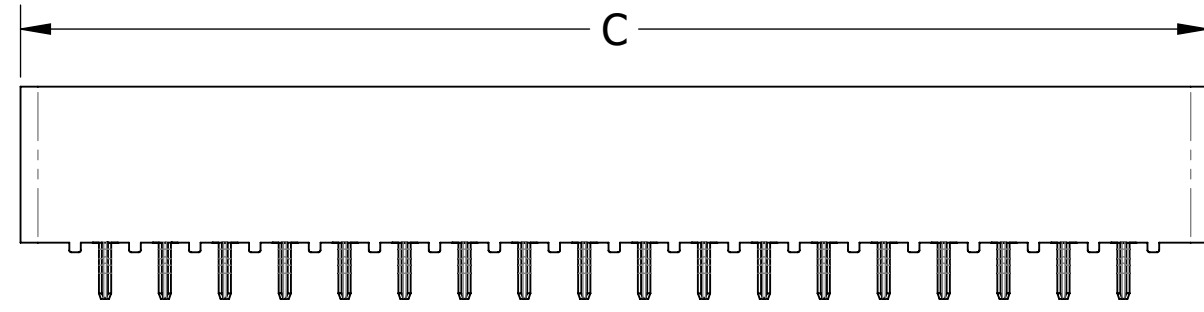
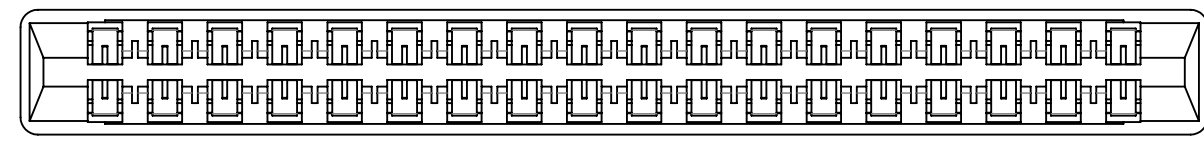


**CONTACT ID
SCALE 4:1**



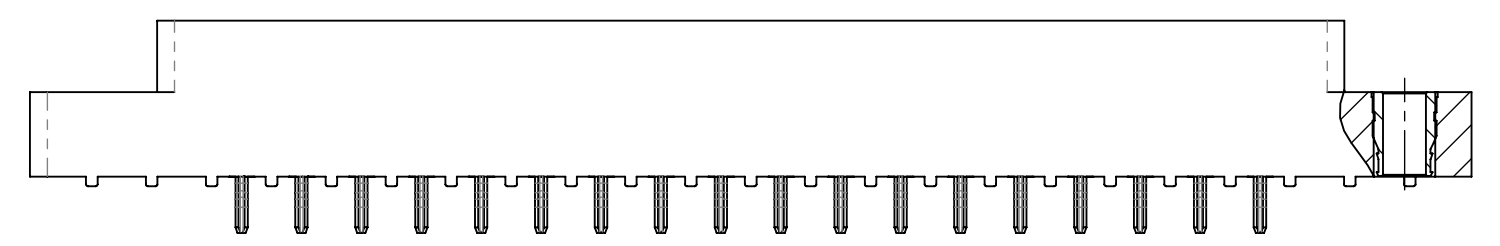
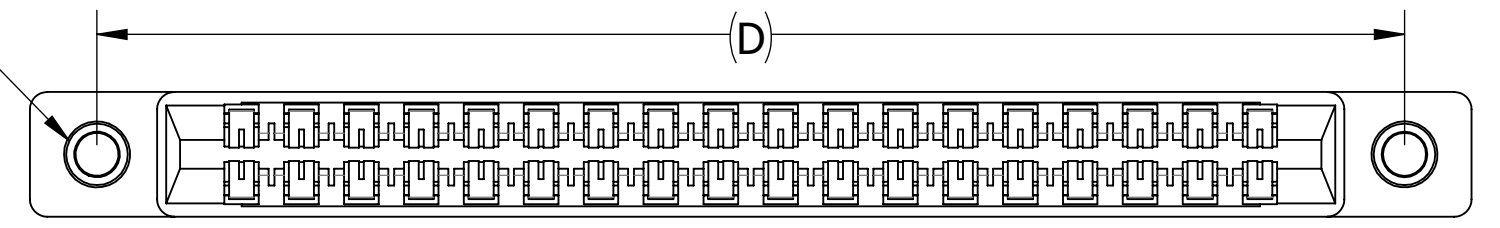
CUSTOMER COPY

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [MM]		DRAWN	DATE	NAME	
TOLERANCES: ANGULAR: $\pm 1^\circ$ DECIMALS .XX = $\pm .02 [5]$.XXX = $\pm .005 [13]$.XXXX = $\pm .0005 [013]$		10/4/2005	ARIAN		
<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
					EDGE CARD, .156 CC, LP
					PART NUMBER
					__M__DRT_-(S13, S2142)
SIZE	CAGE CODE	DWG. NO.		REV	
C	54453	C10563		K	
SCALE: 3:1		SHEET 1 OF 3			

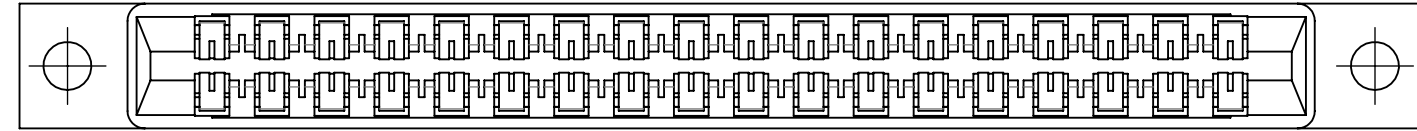


__M__DRTN-S13, S2142

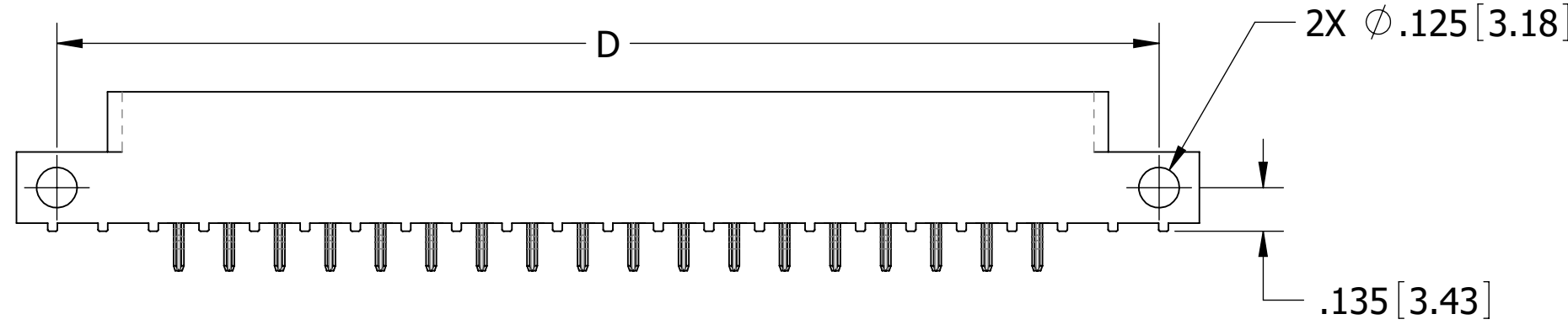
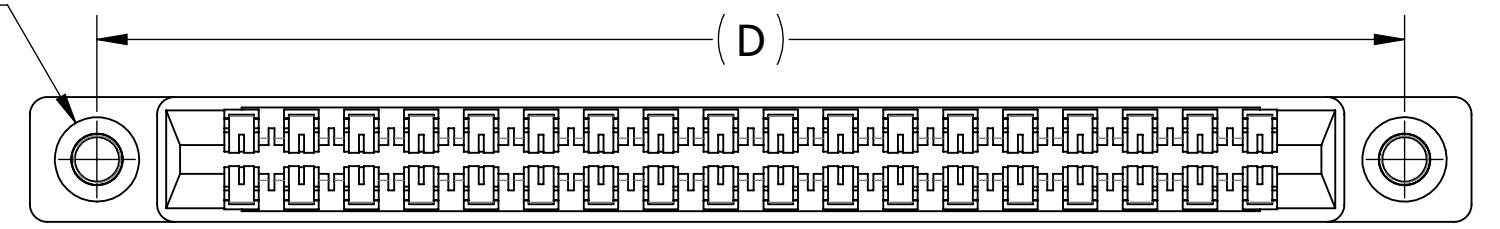
2X #4-40
THREADED
INSERT



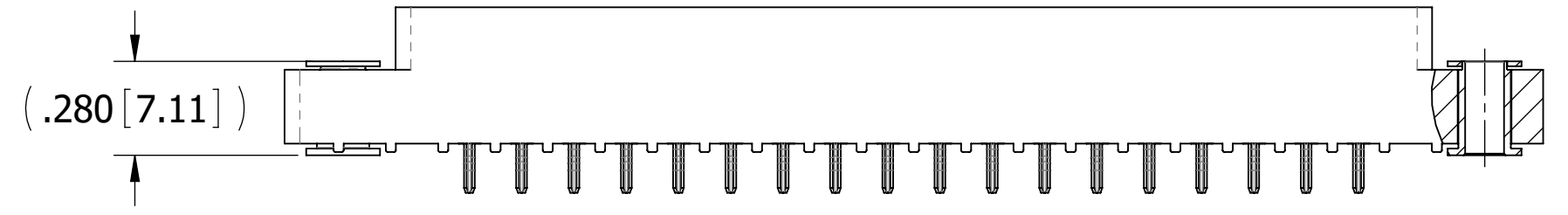
__M__DRTI-S13, S2142



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



__M__DRTS-S13, S2142



__M__DRTF-S13, S2142

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
	10/4/2005	ARIA N
<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>		

SULLINS CONNECTOR SOLUTIONS		
TITLE EDGE CARD, .156 CC, LP		
PART NUMBER __M__DRT -(S13, S2142)		
SIZE C	CAGE CODE 54453	DWG. NO. C10563
SCALE: 2:1	SHEET 2 OF 3	
		REV K

PART NUMBER	NO. OF POS.	FOR 'I' AND 'F' MOUNTING STYLES												F + .005/-.015[+0.13/-0.38]	
		A ± .008[0.20]		B ± .008[0.20]		C ± .015[0.38]		D ± .010[0.25]		E ± .020[0.51]		E ± .020[0.51]		IN	MM
		IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM		
M02DRT -S	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	0.325	8.26
M03DRT -S	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		
M04DRT -S	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		
M06DRT -S	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		
M07DRT -S	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		
M08DRT -S	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		
M10DRT -S	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		
M11DRT -S	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		
M12DRT -S	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		
M15DRT -S	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		
M18DRT -S	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		
M22DRT -S	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		
M24DRT -S	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		
M25DRT -S	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		
M28DRT -S	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		
M36DRT -S	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		
M43DRT -S	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		
M44DRT -S	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		
														0.438	11.13
														0.500	12.70

PART NUMBER CODING

M _ _ DRT - 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 SECS
- G = BLACK PA9T/PHOSPHOR BRONZE**
OPERATING TEMP: -65°C TO +125°C
PROCESSING TEMP: 260°C MAX FOR 20 SECS
- H = BLUE PBT/BERYLLIUM COPPER**
OPERATING TEMP: -65°C TO +125°C
PROCESSING TEMP: WAVE/MANUAL SOLDERING ONLY
- A = GREEN PPS/BERYLLIUM COPPER**
OPERATING TEMP: -65°C TO +150°C
PROCESSING TEMP: 260°C MAX FOR 20 SECS
- J = BLACK PA9T/BERYLLIUM COPPER**
OPERATING TEMP: -65°C TO +150°C
PROCESSING TEMP: 260°C MAX FOR 20 SECS
- F = GREEN PPS/SPINODAL (CONSULT FACTORY)**
OPERATING TEMP: -65°C TO +200°C
(CONSULT FACTORY FOR SPECIAL SOLDERING REQUIREMENTS)
AVAILABLE IN OVERALL GOLD ONLY (S OR M PLATING CODE)
- C = GREEN PPS/BERYLLIUM NICKEL (CONSULT FACTORY)**
OPERATING TEMP: -65°C TO +200°C
PROCESSING TEMP: 260°C MAX FOR 20 SECS
AVAILABLE IN OVERALL GOLD ONLY (S OR M PLATING CODE)
- W = NATURAL BROWN PEEK/BERYLLIUM NICKEL (CONSULT FACTORY)**
OPERATING TEMP: -65°C TO +250°C
PROCESSING TEMP: 260°C MAX FOR 20 SECS
AVAILABLE IN OVERALL GOLD ONLY (M PLATING CODE)

MODIFICATION

- S13: DEFAULT COLOR
- S2142: GREEN PBT (E, H MATERIAL CODE ONLY)

MOUNTING STYLE

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

NUMBER OF POSITIONS (CONTACTS PER ROW)

PLATING

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

CONTACT SURFACE

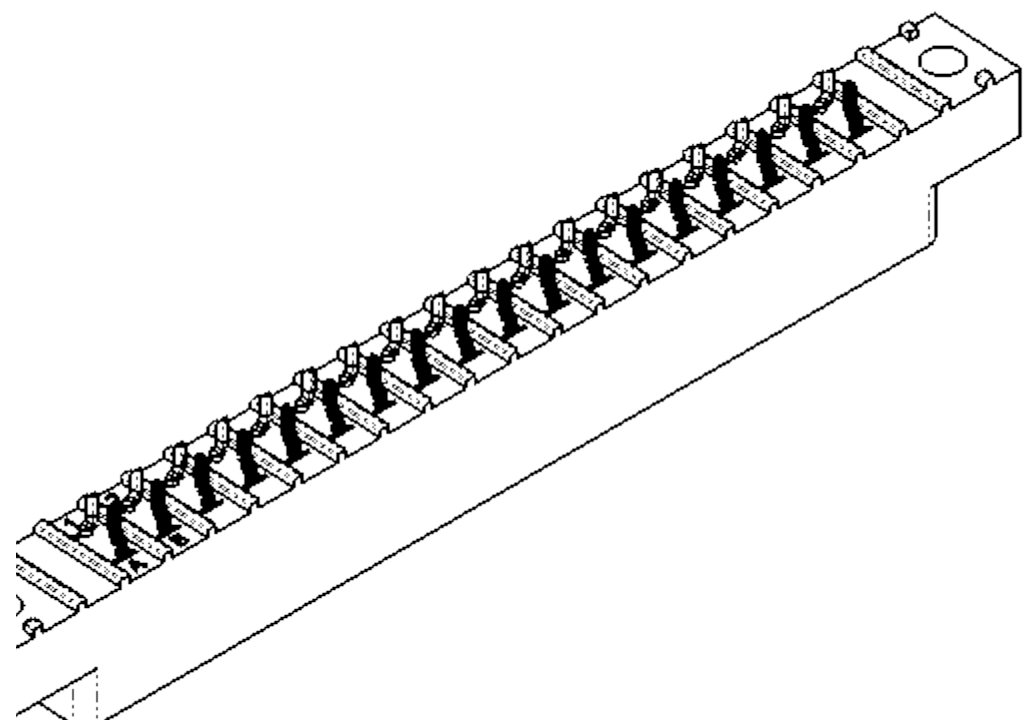
- B = .000010" GOLD
- C = .000030" GOLD
- G = .000010" GOLD
- Y = .000030" GOLD
- **E = .000100" PURE TIN, MATTE
- S = .000010" GOLD
- M = .000030" GOLD
- **OVERALL TIN ONLY AVAILABLE IN MATERIAL CODES E, R, AND F

TERMINATION

- .000100" PURE TIN, MATTE
- .000100" PURE TIN, MATTE
- .000005" GOLD
- .000005" GOLD
- .000100" PURE TIN, MATTE, OVERALL
- .000010" GOLD OVERALL
- .000010" GOLD OVERALL



RoHS COMPLIANT



CUSTOMER COPY

DRAWN		DATE		NAME			
10/4/2005		ARIA N					
TITLE EDGE CARD, .156 CC, LP							
PART NUMBER M _ _ DRT -(S13, S2142)							
SIZE	CAGE CODE	DWG. NO.		REV			
C	54453	C10563		K			
SCALE: 2:1		SHEET 3 OF 3					

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

