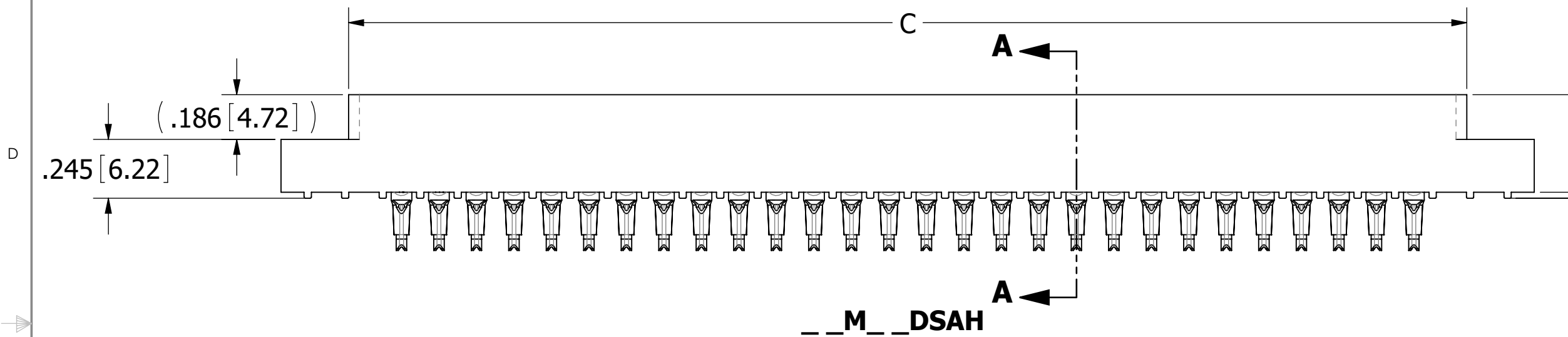
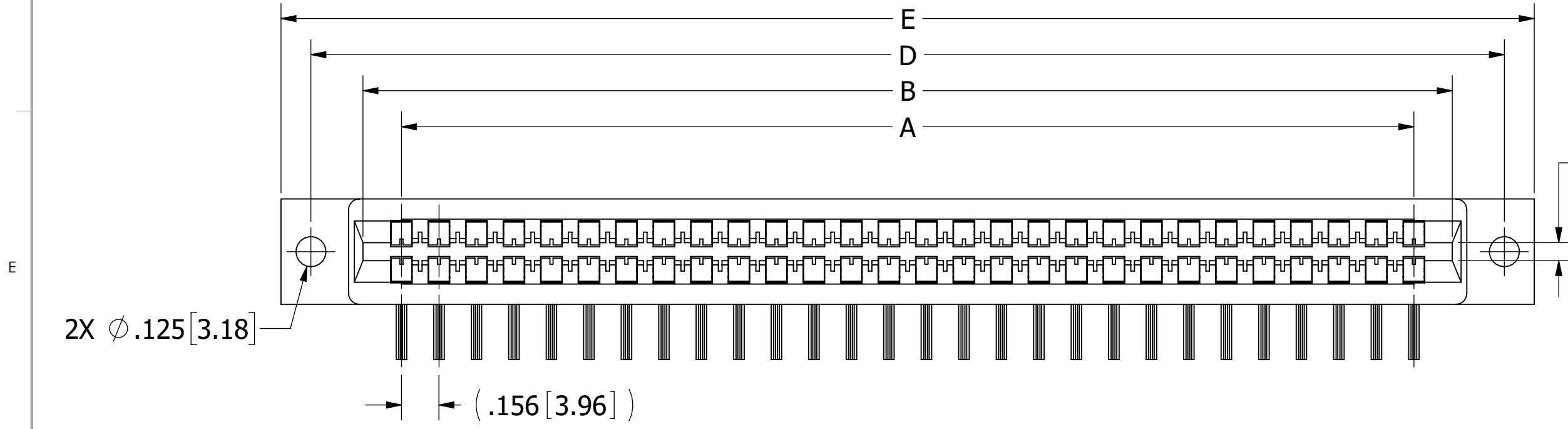
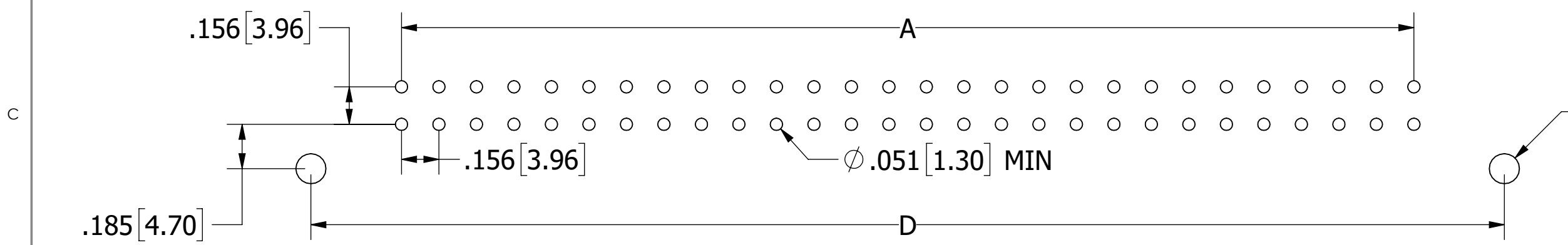
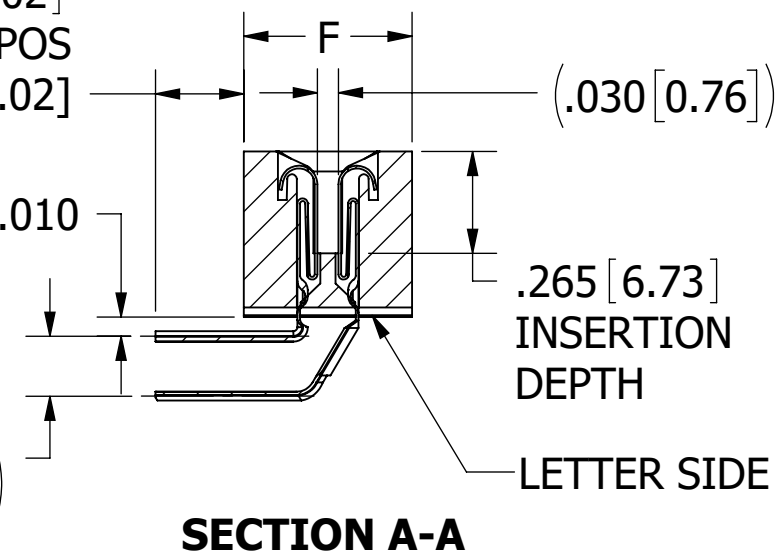


REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
D	2909	UPDATE DWG FORMAT, ASSY NOTES, MAT C & W TO NICKEL, PART NUMBER CODING, F DIM. TOL., .050 TOL, ADD 4 POS TO TABLE, ADD PCB LAYOUT, & ADD CONTACT GAP DIM	2/3/2014	NC/JHSU
E	4133	UPDATE NOTE 8 (WAS 3A) AND PPS PROCESSING TEMP (WAS 120 SECS), REMOVE 'N' ONLY IN DIM TABLE FOR POSI 2,3,4, ADD POSI 7	10/24/2019	JH



02 THRU 25 POS
.270 ± .040 [6.86 ± 1.02]
28 THRU 36 POS
.230 ± .040 [5.84 ± 1.02]
43 & 44 POS
.190 ± .040 [4.83 ± 1.02]

.050 [1.27] ± .010
(.156 [3.96])
ROW SPACING



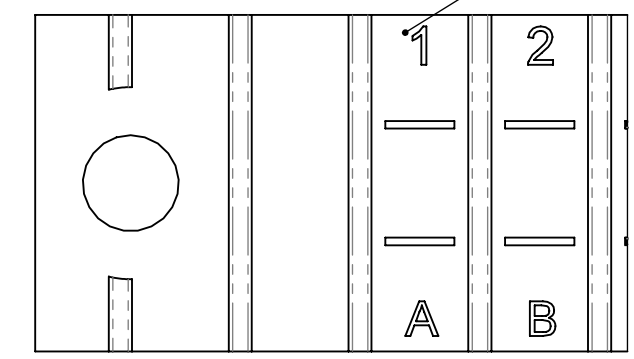
**PCB LAYOUT RECOMMENDED
(COMPONENT SIDE)**

2X Ø.125 [3.18]
FOR 'S' MOUNTING

CONTACT MARKINGS
(LETTERS G, I, O, & Q NOT USED)

SIZE 02 THRU 25:
1 2 3 ... 23 24 ...
A B C ... AA BB ...

SIZE 28 THRU 44:
1 2 3 ... 23 24 ...
A B C ... A B ...



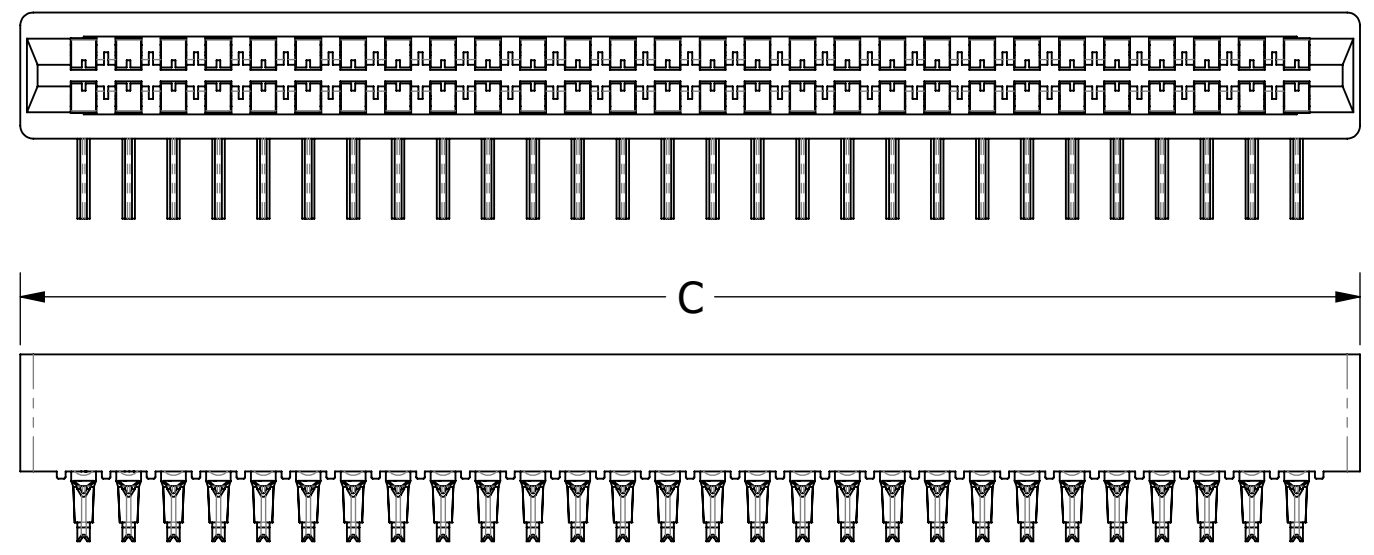
CONTACT ID
SCALE 3:1
(PINS OMITTED FOR CLARITY)

CUSTOMER COPY

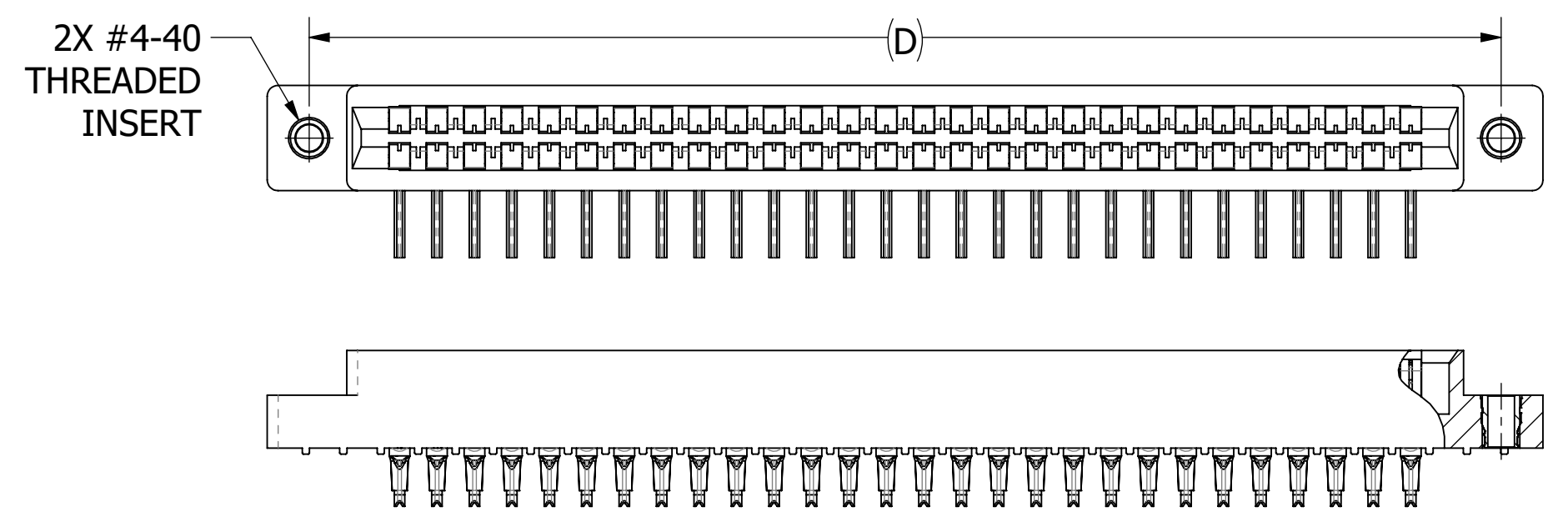
- NOTES:**
1. INSULATOR MATERIAL: SEE PART NUMBER CODING.
 2. CONTACT MATERIAL: SEE PART NUMBER CODING.
 3. PLATING: SEE PART NUMBER CODING.
 4. OPERATING TEMPERATURE: SEE PART NUMBER CODING.
 5. PROCESSING TEMP: SEE PART NUMBER CODING.
 6. UL FLAMMABILITY RATING: 94V-0.
 7. OPERATING VOLTAGE: 950 VAC
 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 ± .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 WI-8.6-03
 15. WITHDRAWAL FORCE: 1 OZ MIN PER CONTACT PAIR USING .062 [1.57] TEST BLADE.



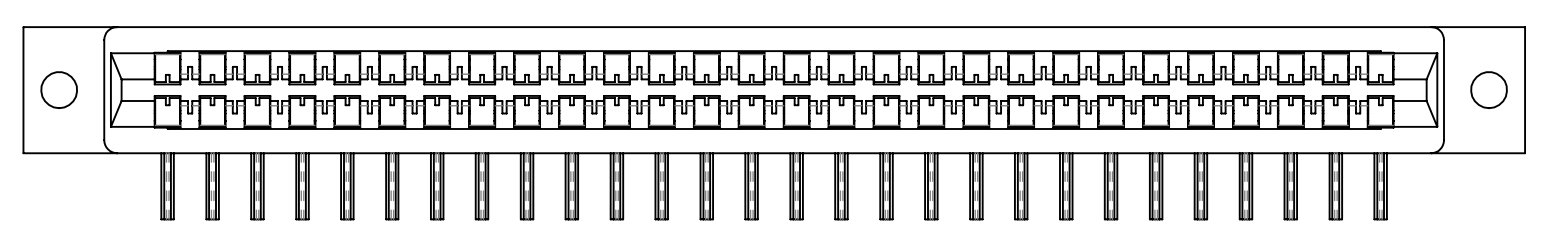
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [MM]		DRAWN	DATE	NAME		
			2/3/2007	MV		
TOLERANCES:					<small>THE INFORMATION HEREIN CONTAINS PROPRIETARY INFORMATION OF SULLINS ELECTRONICS AND IS NOT TO BE REPRODUCED, USED OR DISCLOSED TO OTHERS FOR ANY PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY AN OFFICER OF SULLINS ELECTRONICS.</small>	
ANGULAR: ± 1°						
DECIMALS .XX = ± .02 [.5] .XXX = ± .005 [.13] .XXXX = ± .0005 [.013]						
TITLE					EDGECARD, .156 CC, RAB	
PART NUMBER					_ _ M _ DSA _	
SIZE	CAGE CODE	DWG. NO.		REV		
C	54453	C10890		E		
SCALE: 2:1		SHEET 1 OF 3				



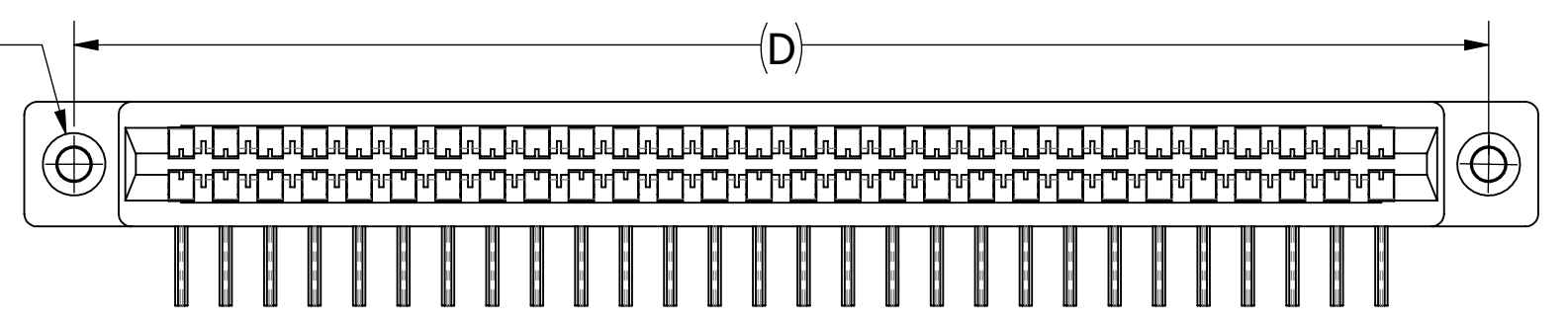
__M_DSAN



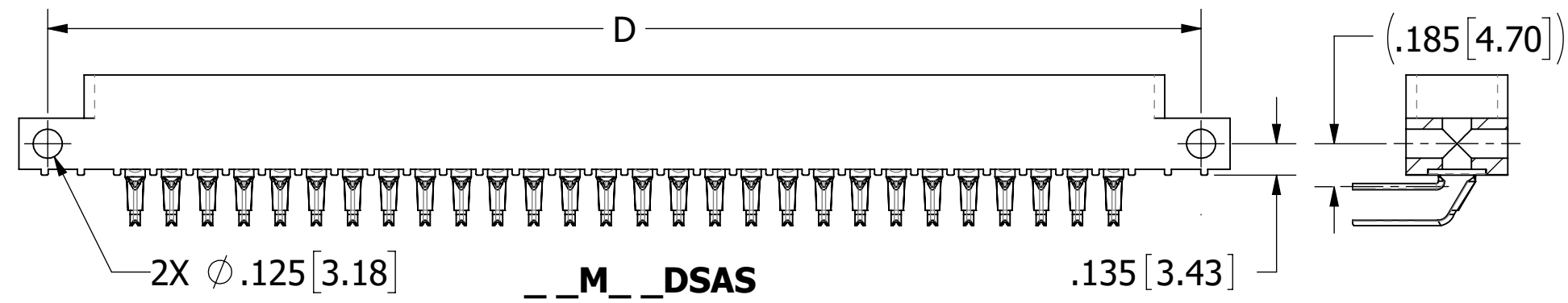
__M_DSAI



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



__M_DSAF



__M_DSAS

CUSTOMER COPY



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
	2/3/2007	MV
<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				EDGECARD, .156 CC, RAB	
PART NUMBER				__M_DSA__	
SIZE	CAGE CODE	DWG. NO.	REV		
C	54453	C10890	E		
SCALE: 3:2		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]		E ± .020[0.51]		F +.005/- .015[+0.13/-0.38]	
		IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
M02DSA	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
M03DSA	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		
M04DSA	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		
M06DSA	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		
M07DSA	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		
M08DSA	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		
M10DSA	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		
M11DSA	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		
M12DSA	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		
M15DSA	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		
M18DSA	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		
M22DSA	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		
M24DSA	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		
M25DSA	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		
M28DSA	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		
M36DSA	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		
M43DSA	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		
M44DSA	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		

FOR CONNECTORS WITH THREADED INSERTS OR FLOATS

MATERIAL (INSULATOR/CONTACT)

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

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

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
 PROCESSING TEMP: 260°C MAX FOR 20 SECS
 (CONSULT FACTORY FOR SPECIAL SOLDERING GUIDELINES)
 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 (M PLATING CODE)

W = TAN 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)

PART NUMBER CODING

M — MATERIAL (INSULATOR/CONTACT)
DSA — MOUNTING STYLE
NUMBER OF POSITIONS (CONTACTS PER ROW)
PLATING
 ALL PLATINGS ARE LEAD FREE AND HAVE .000050" NICKEL UNDERPLATE

MOUNTING STYLE

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

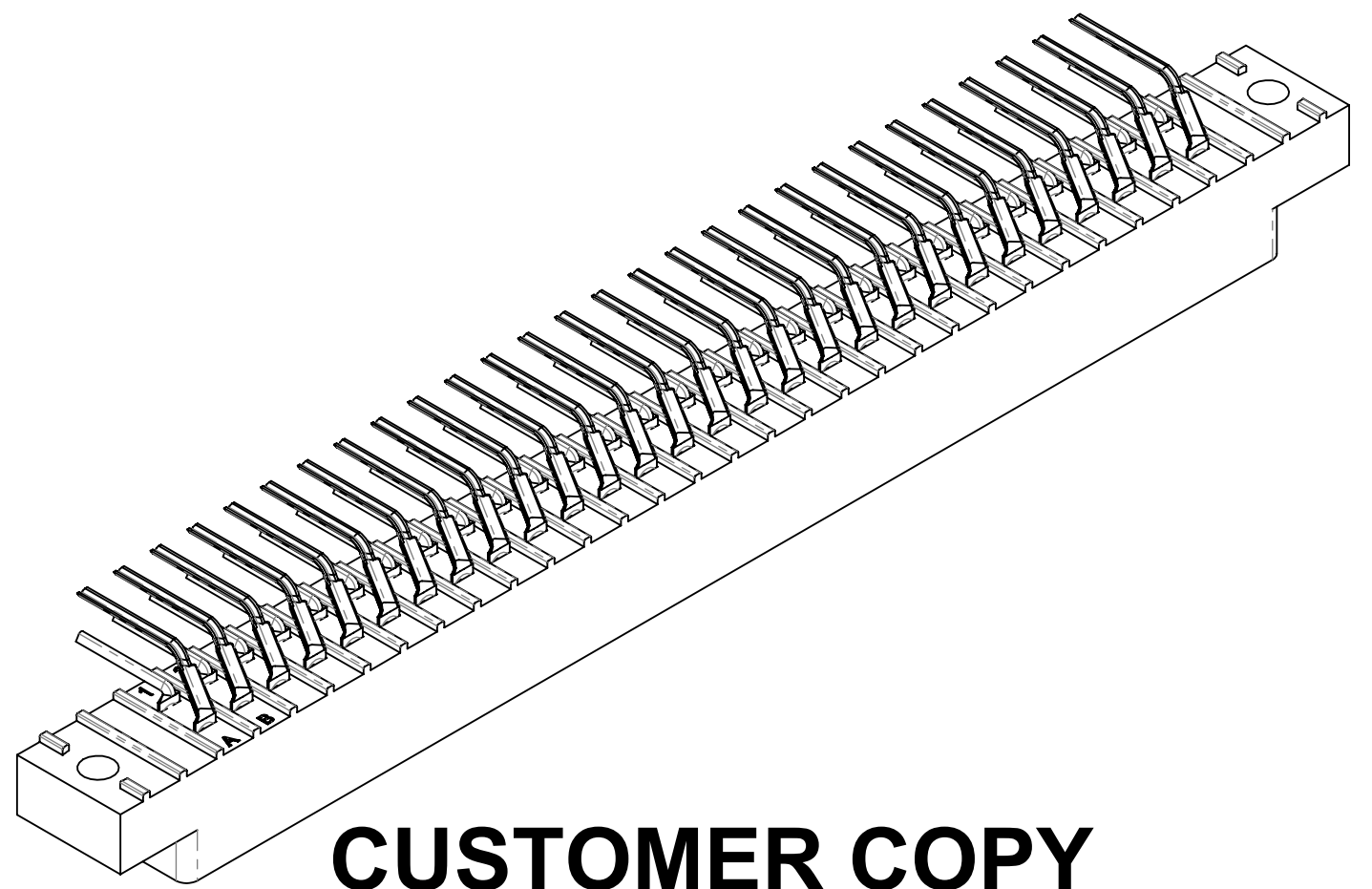
CONTACT SURFACE

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

TERMINATION

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

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



CUSTOMER COPY



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [MM]	DRAWN	DATE	NAME	
		2/3/2007	MV	
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
	EDGECARD, .156 CC, RAB			PART NUMBER
SIZE C		CAGE CODE 54453	DWG. NO. C10890	REV E
SCALE: 2:1		SHEET 3 OF 3		