



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

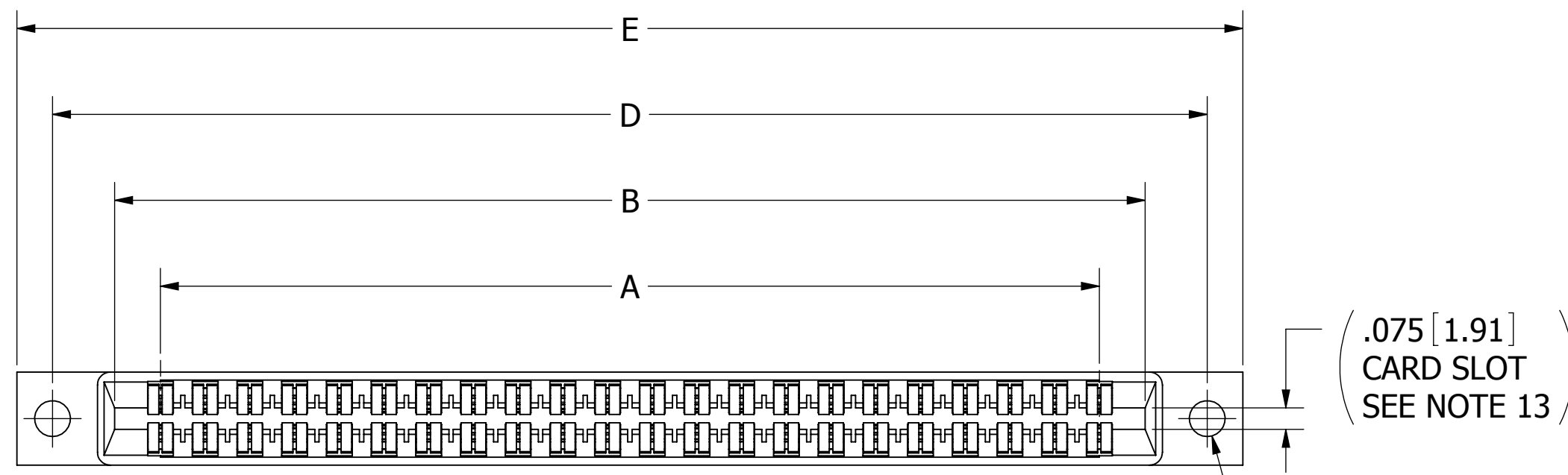
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



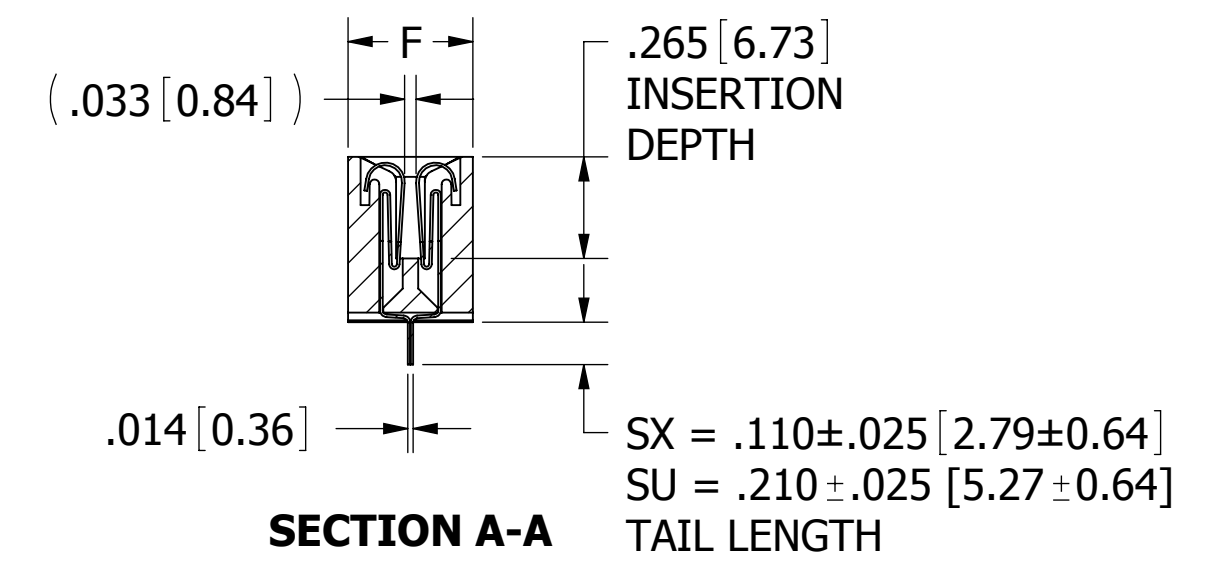
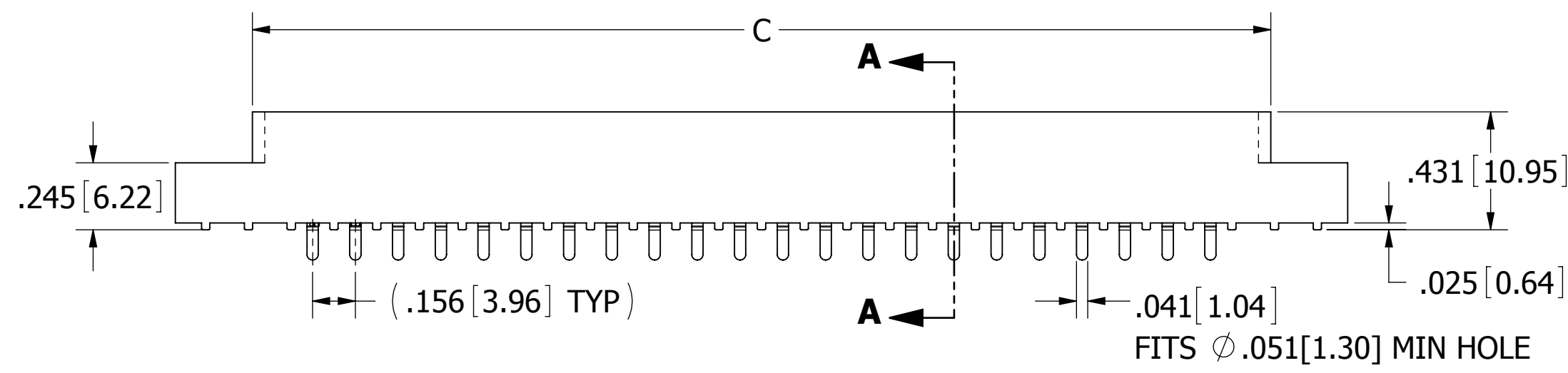
8 7 6 5 4 3 2 1



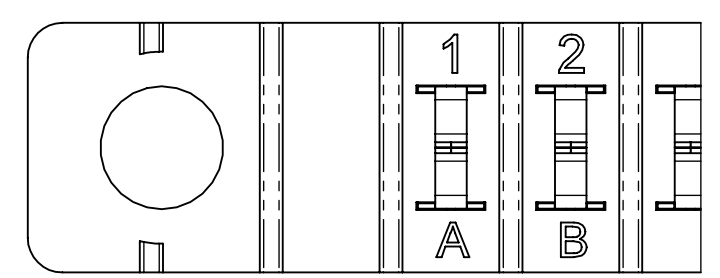
REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
D	1772	ADDED SU TERMINATION AND PCB LAYOUT, REMOVED F MOUNTING, UPDATED FORMAT, NOTES & TABULATION	08/05/11	SE
E	2804	ADD S38, S81, S328 OPTIONS & UPDATE DIM. 'E' FOR 'I' & DWG FORMAT	7/18/2013	JH
F	2904	ADD 'P' MOUNTING OPTION	1/28/2014	NC
H	3234	UPDATE BOM, UPDATE S328 MODIFICATION MATERIALS, ADD S1954 MODIFICATION OPTION, ADD 'D' MOUNTING OPTION, UPDATE DRAWING FORMAT	5/21/2015	MG/JHSU
J	3411	ADD POSITION 07, ADD S1954 ROUNDED EARS VIEW	3/31/16	EP
K	3588	ADD 'F' MOUNTING OPTION, UPDATE DWG FORMAT, UPDATE BOM	12/21/16	EP

.075 [1.91] CARD SLOT SEE NOTE 13

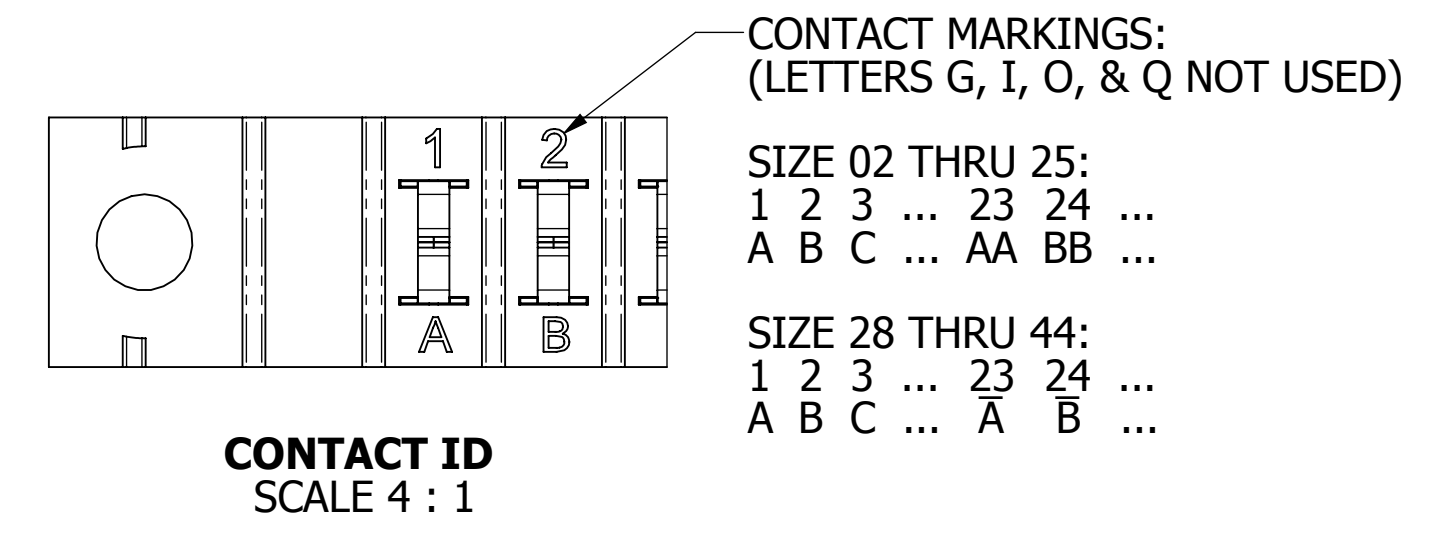
2X  $\phi$ .125 [3.18] FOR 'H' MOUNTING  
2X  $\phi$ .142 [3.61] FOR 'P' MOUNTING



- M -- DSXH-(OMIT, S38, S81, S328)
- M -- DSUH-(OMIT, S38, S81, S328)
- M -- DSXP-(OMIT, S38, S81, S328)
- M -- DSUP-(OMIT, S38, S81, S328)



- M -- DSXP-S1954
- M -- DSUP-S1954
- $\phi$ .142 HOLES
- ROUND CORNERS, 4 PLACES
- SCALE 4 : 1



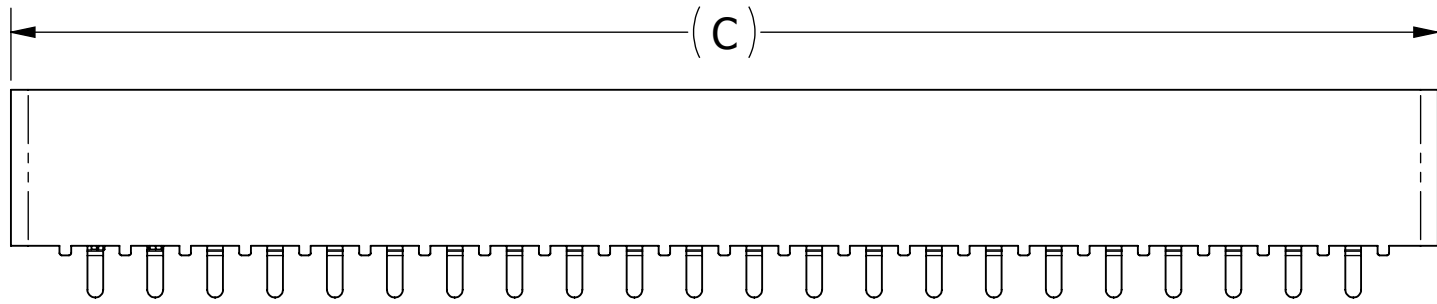
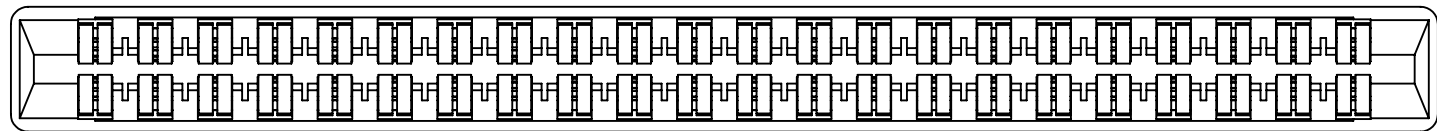
- NOTES:
- INSULATOR MATERIAL: SEE PART NUMBER CODING
  - CONTACT MATERIAL: SEE PART NUMBER CODING
  - PLATING: SEE PART NUMBER CODING
  - OPERATING TEMPERATURE: SEE PART NUMBER CODING
  - PROCESSING TEMP: SEE PART NUMBER CODING
  - UL FLAMMABILITY RATING: 94V-0
  - OPERATING VOLTAGE: 950 VAC
  - CURRENT RATING: 3 AMP
  - 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 WI7.3-01
  - WITHDRAWAL FORCE: 1 OZ MIN PER CONTACT PAIR USING  $.062 [1.57]$  TEST BLADE
  - MODIFICATION: SEE PART NUMBER CODING



# CUSTOMER COPY

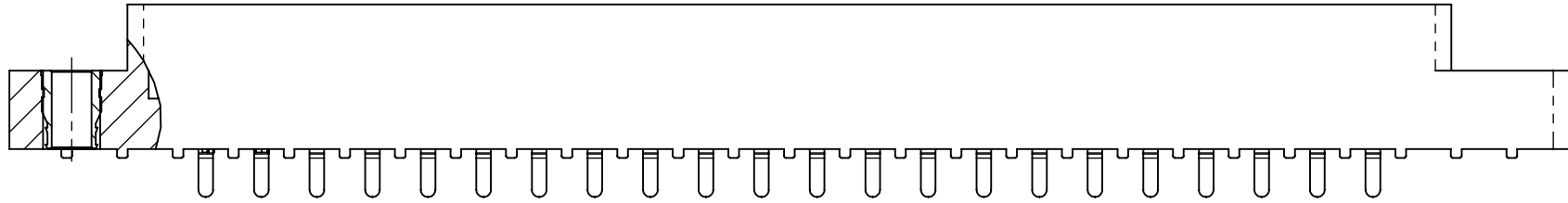
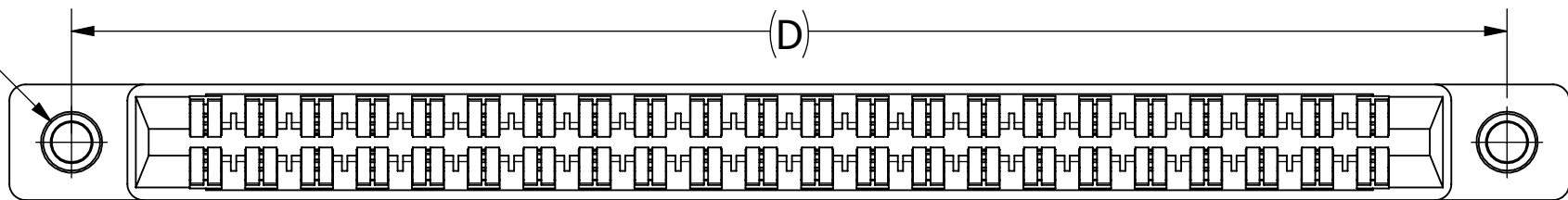
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [MM]		DRAWN	DATE	NAME	
TOLERANCES: ANGULAR: $\pm 1^\circ$ DECIMALS .XX = $\pm .02 [ .5]$ .XXX = $\pm .005 [ .13]$ .XXXX = $\pm .0005 [ .013]$			02/03/07	MV	
THE INFORMATION HEREIN CONTAINS PROPRIETARY INFORMATION OF SULLINS ELECTRONICS AND IS NOT TO BE REPRODUCED, USED OR DISCLOSED TO OTHERS FOR ANY PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY AN OFFICER OF SULLINS ELECTRONICS.					PART NUMBER -- M -- D(SX,SU)_(S38,S81,S328,S1954)
SIZE CAGE CODE DWG. NO. REV <b>C 54453 C10891 K</b>		SCALE: 2:1 SHEET 1 OF 3			

8 7 6 5 4 3 2 1

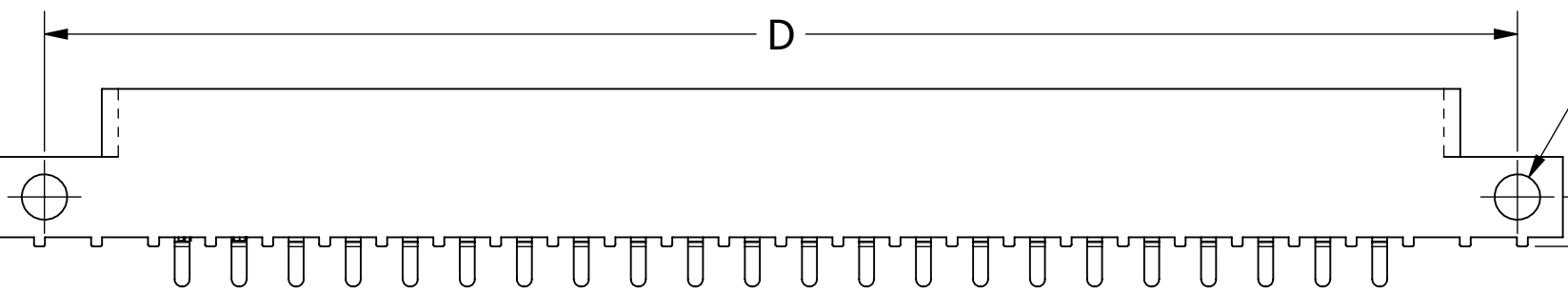
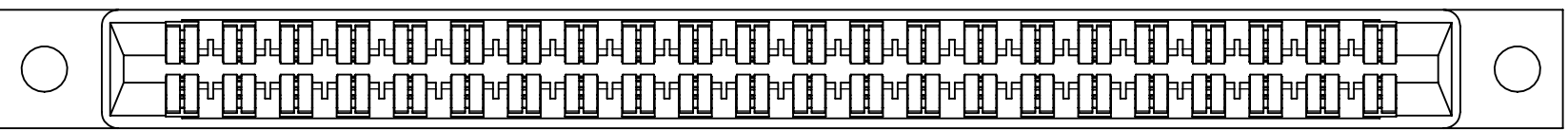


-- M -- DSXN-(OMIT, S38, S81, S328)  
 -- M -- DSUN-(OMIT, S38, S81, S328)

2X #4-40  
 THREADED  
 INSERT

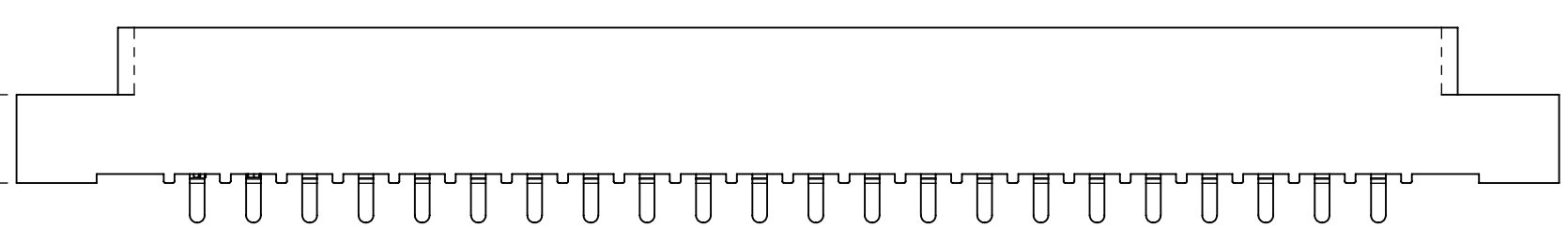
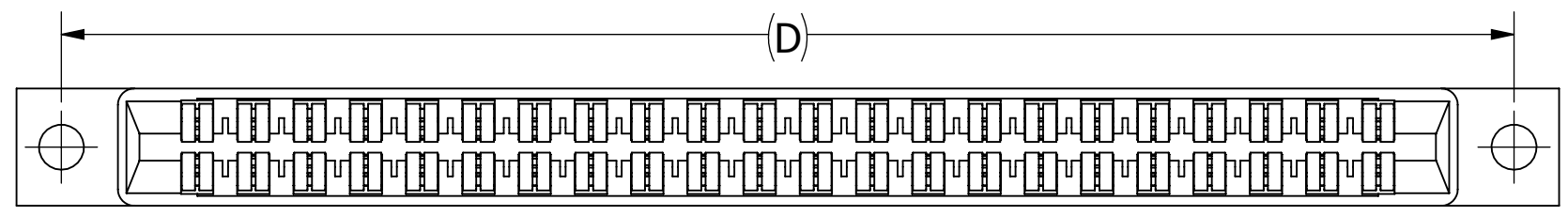


-- M -- DSXI-(OMIT, S38, S81, S328)  
 -- M -- DSUI-(OMIT, S38, S81, S328)

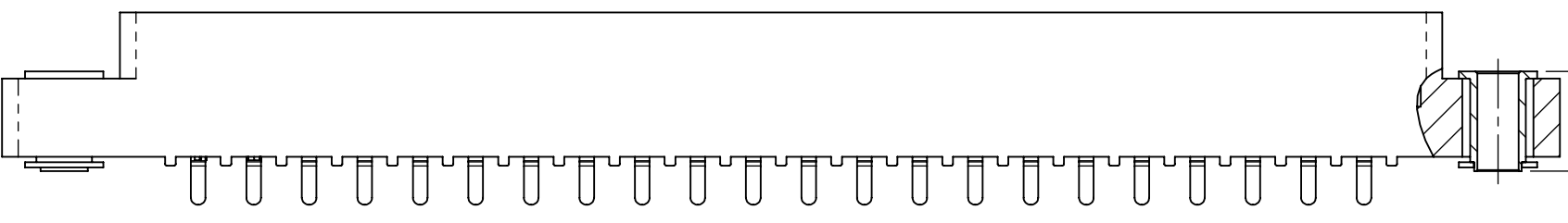
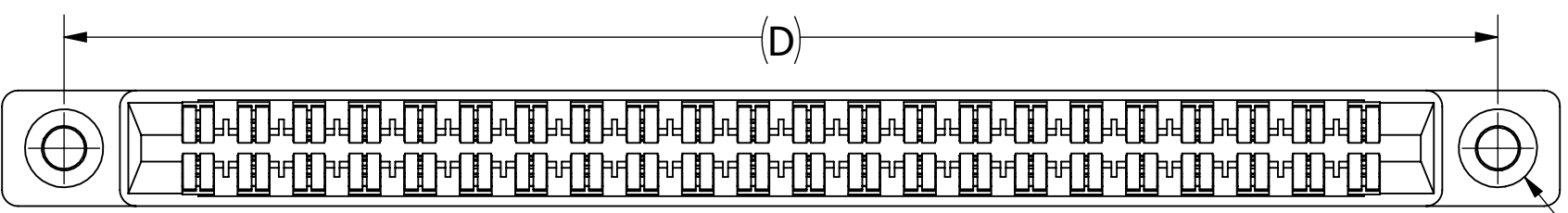


-- M -- DSXS-(OMIT, S38, S81, S328)  
 -- M -- DSUS-(OMIT, S38, S81, S328)

2X  $\phi$  .125 [3.18]  
 THRU  
 .245 [6.22]  
 .135 [3.43]



-- M -- DSXD-(OMIT, S38, S81, S328)  
 -- M -- DSUD-(OMIT, S38, S81, S328)



-- M -- DSXF-(OMIT, S38, S81, S328)  
 -- M -- DSUF-(OMIT, S38, S81, S328)

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

(.280 [7.11])

# 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]

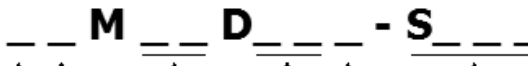
DRAWN	DATE	NAME
	02/03/07	MV
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TITLE EDGE CARD, .156 CC, LP			
PART NUMBER -- M -- D(SX,SU)_(S38,S81,S328,S1954)			
SIZE C	CAGE CODE 54453	DWG. NO. C10891	REV K
SCALE: 2:1		SHEET 2 OF 3	



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[0.13]/-.015[0.38]	
		IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
		M02D	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
M03D	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		
M04D	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		
M06D	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		
M07D	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		
M08D	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	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	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	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	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	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	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	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	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	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		
M36D	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	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		
M44D	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**



**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
- 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 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**  
OPERATING TEMP: -65°C TO +200°C  
(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 SECONDS  
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 SECONDS  
AVAILABLE IN OVERALL GOLD ONLY (M PLATING CODE)

**MODIFICATION CODE**

- OMIT FOR STANDARD, EX: 'EBM22DSXH'
- S38 = BLACK PBT (MATERIAL CODES E AND H ONLY)
- S81 = GREEN PBT (MATERIAL CODES E AND H ONLY)
- S328 = BROWN PPS (MATERIAL CODES R, A, F, AND C ONLY)
- S1954 = .100[2.54] LONGER BODY (P MOUNTING ONLY, STANDARD)

**MOUNTING STYLE**

- H = .125" DIA. CLEARANCE HOLES
- N = NO MOUNTING EARS
- S = .125" DIA. SIDE MOUNTING
- I = #4-40 THREADED INSERT
- P = .142" DIA CLEARANCE HOLE
- D = FLUSH MOUNTING
- F = FLOATING BOBBIN

**TERMINATION TYPE**

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

**NUMBER OF POSITIONS**

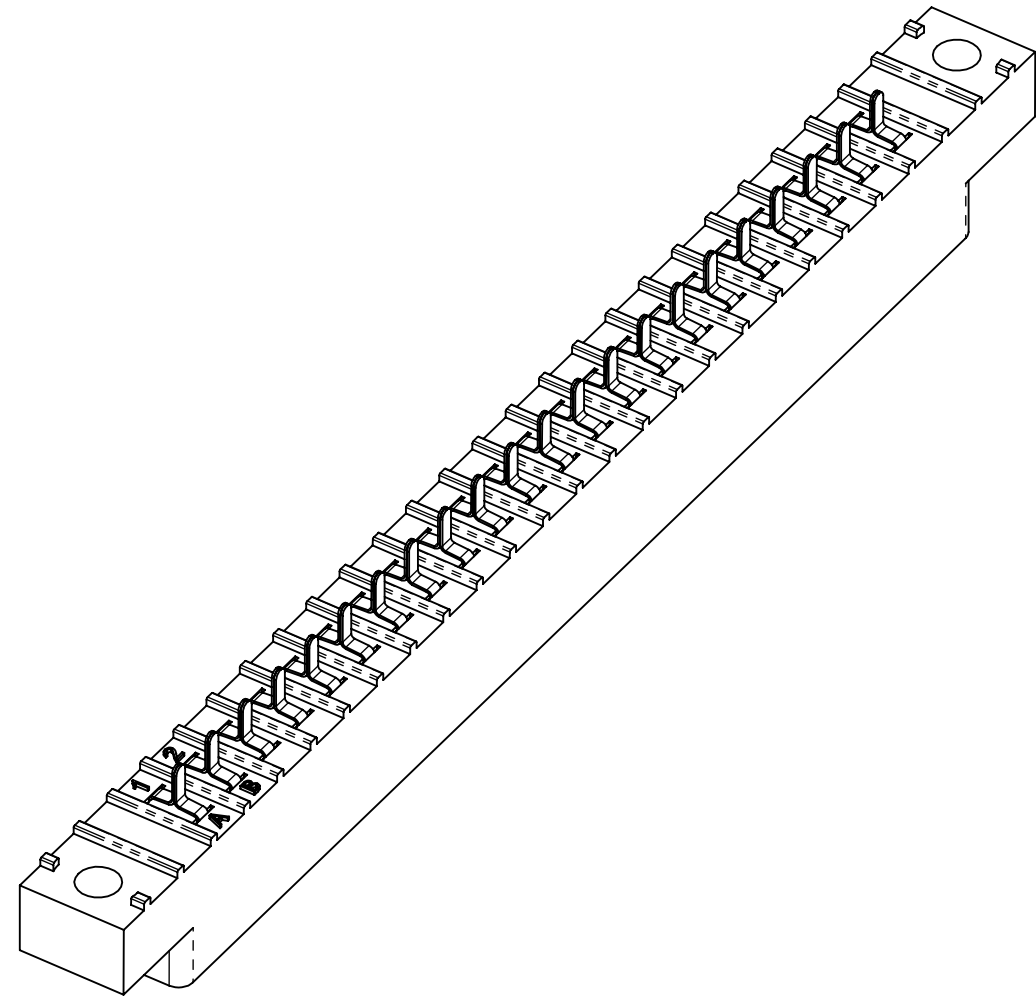
(CONTACTS PER ROW)

**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	.000100" PURE TIN, MATTE, OVERALL
S = .000010" GOLD	.000010" GOLD OVERALL
M = .000030" GOLD	.000010" GOLD OVERALL

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



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		02/03/07	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
				EDGE CARD, .156 CC, LP
PART NUMBER				REV
_M_D(SX,SU)_(S38,S81,S328,S1954)				K
SIZE	CAGE CODE	DWG. NO.		
C	54453	C10891		
SCALE: 1:1			SHEET 3 OF 3	