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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!



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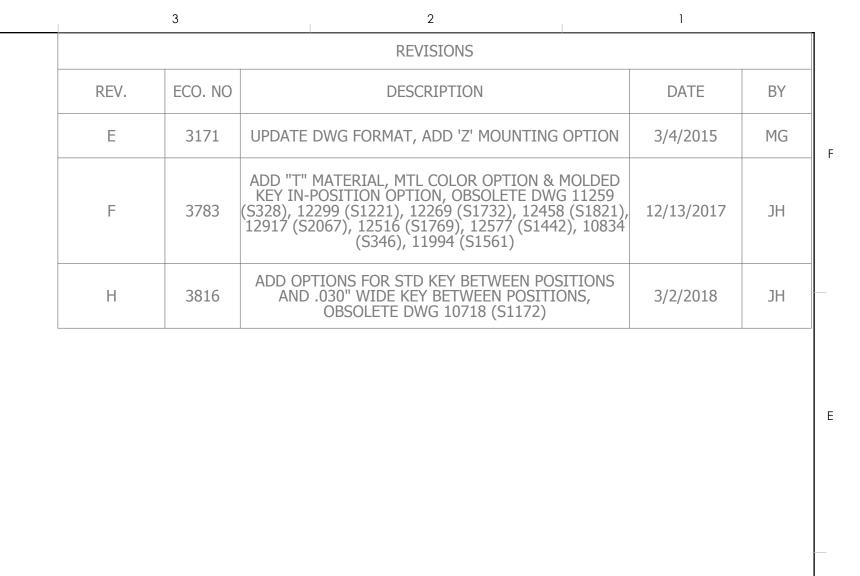
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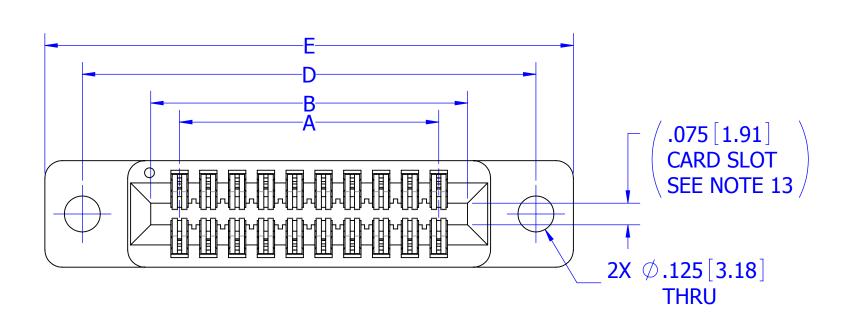
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

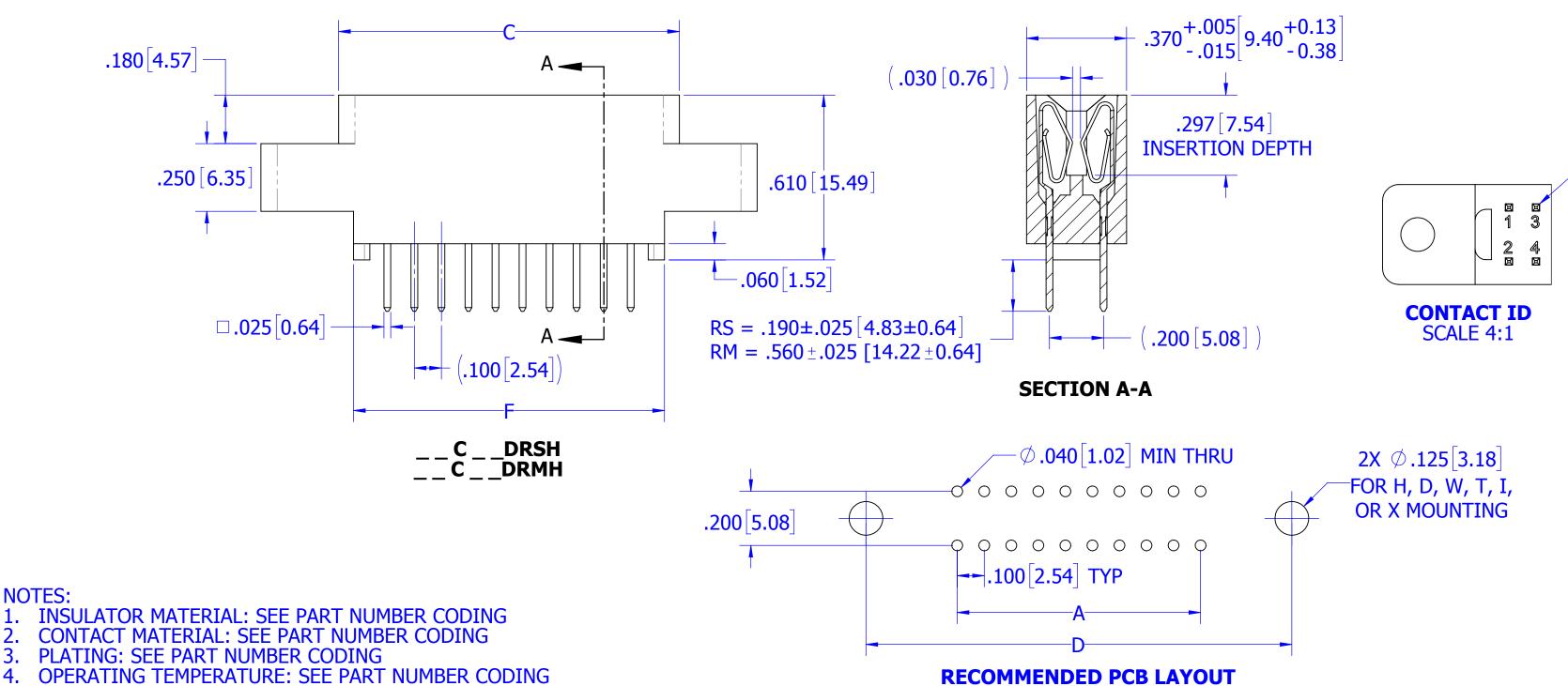












5

# **CUSTOMER COPY**



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DRAWN DATE NAME 10/10/2011 JH 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

**ESULLINS** 

EDGECARD, .100 CC, HP

\_D(RS,RM)\_-(S38, S81, S328)

-CONTACT MARKINGS: 1 3 5 ... 37 39 ... 97 99

2 4 6 ... 38 40 ... 98 100

CAGE CODE DWG. NO. REV **H** 54453 C10922 SCALE: 3:1 SHEET 1 OF 6

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: 8 OZ MAX PER CONTACT PAIR WHEN USING A .062[1.57] TEST BLADE

6

15. WITHDRAWAL FORCE: 1 OZ MIN PER CONTACT PAIR USING .062[1.57] TEST BLADE

16. MODIFICATION: SEE PART NUMBER CODING

UL FLAMMABILITY RATING: 94V-0 **OPERATING VOLTAGE: 700 VAC** 

8. CURRENT RATING: 3 AMP

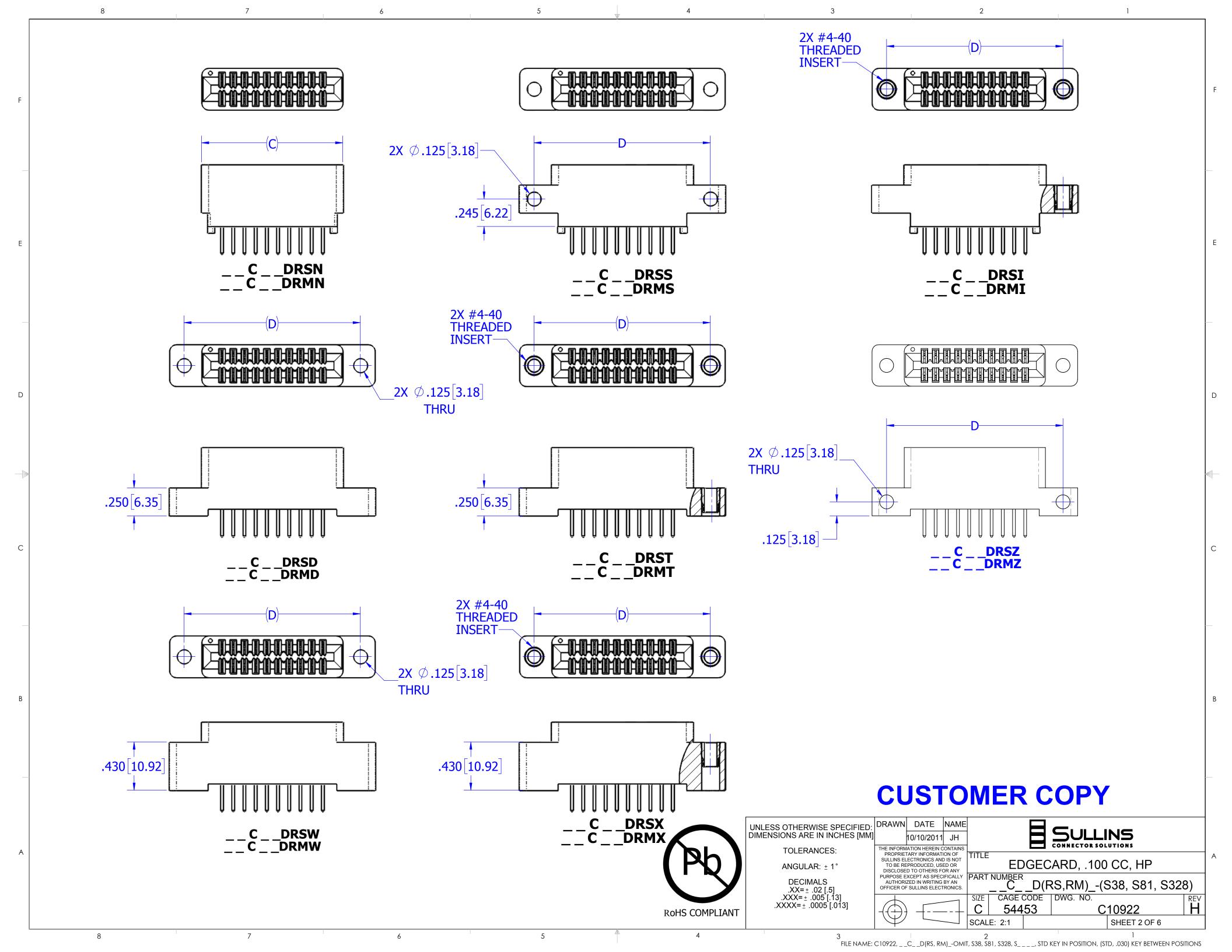
PROCESSING TEMP: SEE PART NUMBER CODING

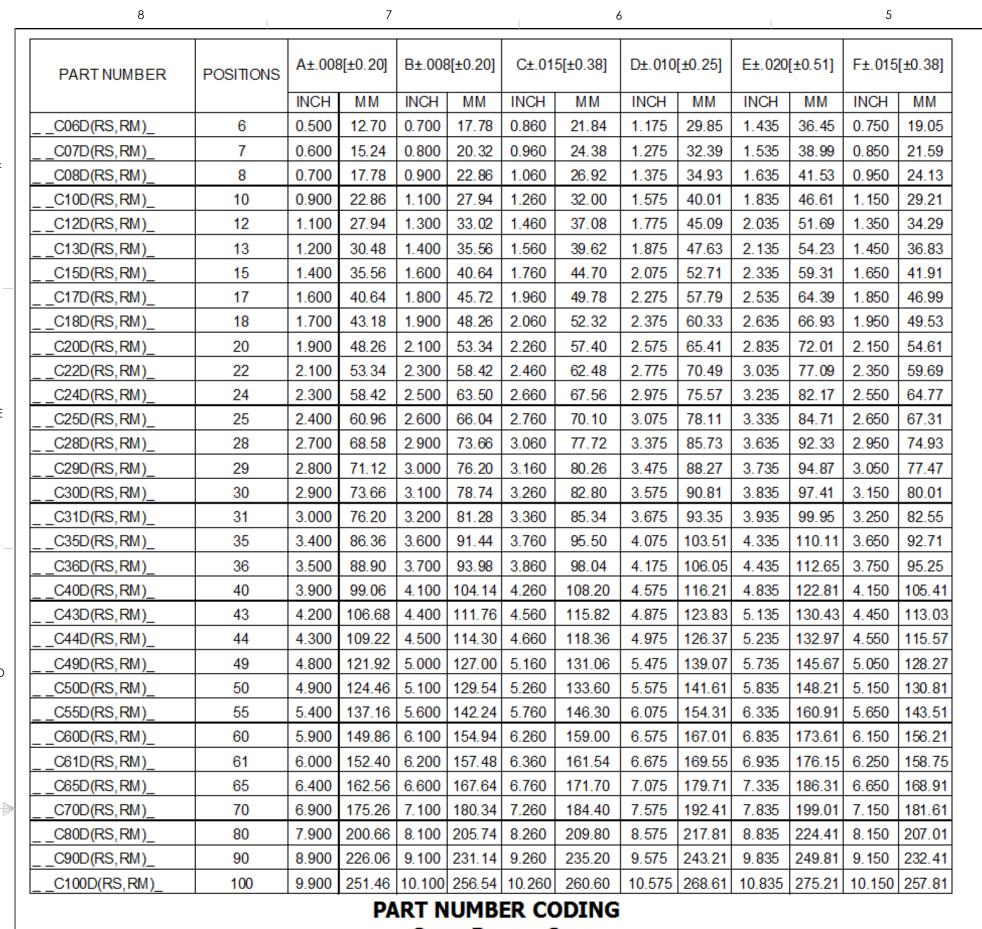
CONTACT RESISTANCE: 30 MILLI OHMS MAX

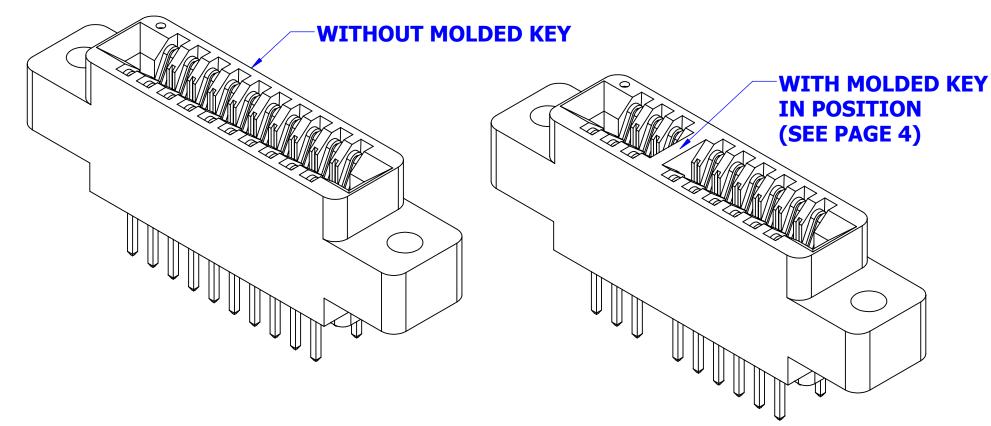
10. INSULATION RESISTANCE: 5000 MEGA OHMS

**NOTES:** 

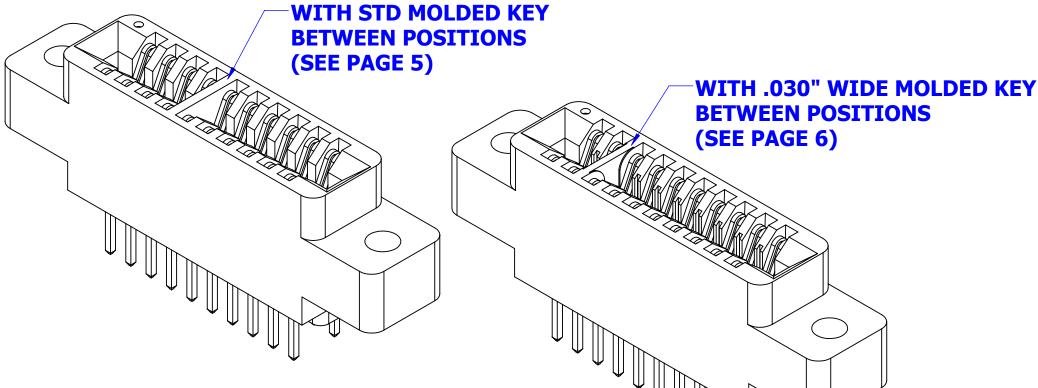
8







3



## MATERIALS (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

#### = BLACK PA9T/BERYLLIUM COPPER

OPERATING TEMP: -65°C TO +150°C PROCESSING TEMP: 260°C MAX FOR 20 SECS

#### = GREEN PPS/ BERYLLIUM COPPER

OPERATING TEMP: -65°C TO +175°C PROCESSING TEMP: 260°C MAX FOR 20 SECS

#### MODIFICATION

OMIT = STANDARD WITHOUT MOLDED KEY, EX: EBC22DRSN

S38 = BLACK PBT WITHOUT MOLDED KEY (MATERIAL CODE E & H ONLY)

S81 = GREEN PBT WITHOUT MOLDED KEY (MATERIAL CODE E & H ONLY)

S328 = BROWN PPS WITHOUT MOLDED KEY (MATERIAL CODE R & A ONLY)

OTHER S# FOR PARTS WITH MOLDED KEY FOR DEFAULT MATERIAL SEE PAGE 4 FOR LOCATION OF KEY IN POSITION

SEE PAGE 5 FOR LOCATION OF STD KEY BETWEEN POSITIONS

SEE PAGE 6 FOR LOCATION OF .030" WIDE KEY BETWEEN POSITIONS

#### MOUNTING STYLE

H = .125" DIA. CLEARANCE HOLES

#### I = #4-40 THREADED INSERT

**TERMINATION TYPE** S = .125" DIA. SIDE MOUNTING

RS = .190" TAIL LENGTH N = NO MOUNTING EARS

.000010" GOLD OVERALL

RM = .560" TAIL LENGTH D = .250" EARS, FLUSH MOUNTING

T = .250" EARS, FLUSH MOUNTING WITH # 4-40 THREADED INSERT

.250" EARS, FLUSH MOUNTING WITH .125 DIA SIDE HOLES W = .430" EARS, FLUSH MOUNTING

X = .430" EARS, FLUSH MOUNTING WITH # 4-40 THREADED INSERT

#### PLATING

7

ALL PLATINGS HAVE .000050" NICKEL UNDERPLATE

NUMBER OF POSITIONS

(CONTACTS PER ROW)

CONTACT SURFACE TERMINATION G = .000010" GOLD.000005" GOLD

Y = .000030" GOLD.000005" GOLD

B = .000010" GOLD .000100" PURE TIN, MATTE .000100" PURE TIN, MATTE C = .000030" GOLD

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

S = .000010" GOLD OVERALL

M = .000030" GOLD

6



**RoHS COMPLIANT** 

## **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 10/10/2011 JH 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

SCALE: 3:1

**ESULLINS**CONNECTOR SOLUTIONS

EDGECARD. .100 CC. HP

\_D(RS,RM)\_-(S38, S81, S328)

CAGE CODE DWG. NO. 54453 C10922

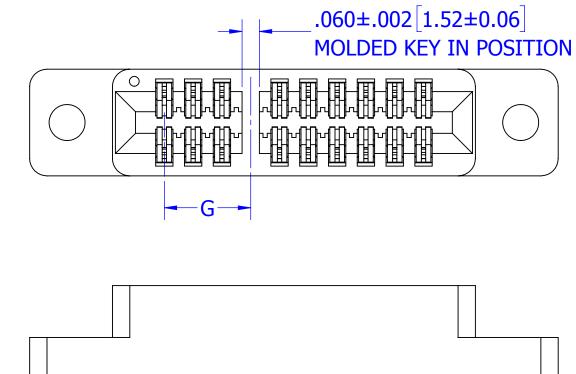
H

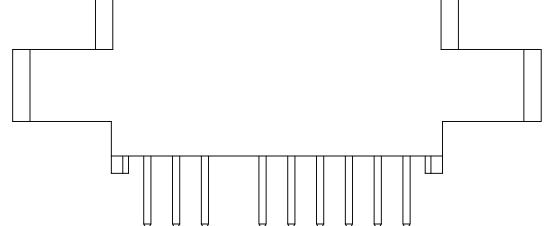
SHEET 3 OF 6

FILE NAME: C10922, \_\_C\_\_D(RS, RM)\_-OMIT, S38, S81, S328, S\_\_\_\_, STD KEY IN POSITION, (STD, .030) KEY BETWEEN POSITIONS

## **STANDARD LOCATION TABLE FOR KEY IN POSITION\*\*\***

IN POSITION 01 02 03	NUMBER (S#)	INCH	- •	IN			ALTEL ZIII
01 02		INCH	G±.008[±0.20]		NUMBER	G±.008[±0.20]	
02	52001		MM	POSITION	(S#)	INCH	MM
	C2001	N/A	N/A	36		3.500	88.90
03	S2001	0.100	2.54	37		3.600	91.44
	S1732	0.200	5.08	38	S1306	3.700	93.98
04	S1769	0.300	7.62	39		3.800	96.52
05	S2067	0.400	10.16	40		3.900	99.06
06	S1442	0.500	12.70	41	S1546	4.000	101.60
07	S1632	0.600	15.24	42	S1405	4.100	104.14
08	S1180	0.700	17.78	43		4.200	106.68
09	S1172	0.800	20.32	44		4.300	109.22
10	S1599	0.900	22.86	45		4.400	111.76
11		1.000	25.40	46		4.500	114.30
12	S1810	1.100	27.94	47		4.600	116.84
13	S1114	1.200	30.48	48		4.700	119.38
14	S1013	1.300	33.02	49 50	C1F.C1	4.800	121.92
15	S1036	1.400	35.56	51	\$1561 \$1376	4.900 5.000	124.46 127.00
16	S2174	1.500	38.10	52	S2247	5.100	127.00
17	S1812	1.600	40.64	53	32247	5.200	132.08
18	0 1011	1.700	43.18	54		5.300	134.62
19		1.800	45.72	55		5.400	137.16
20	S1293	1.900	48.26	56		5.500	139.70
21	S1221	2.000	50.80	57		5.600	142.24
22	S1808	2.100	53.34	58	S346	5.700	144.78
23		2.200	55.88	59		5.800	147.32
24	S1788	2.300	58.42	60		5.900	149.86
25	S2068	2.400	60.96	61		6.000	152.40
26	5255	2.500	63.50	62		6.100	154.94
27		2.600	66.04	63		6.200	157.48
28	S1242	2.700	68.58	64		6.300	160.02
29	312-12	2.800	71.12	65		6.400	162.56
30		2.900	73.66	- 66		6.500	165.10
31		3.000	76.20	67		6.600	167.64
32		3.100	78.74	68		6.700	170.18
33		3.200	81.28	69		6.800	172.72
34		3.300	83.82	70		6.900	175.26
35		3.400	86.36	LAST POSITION	S1192		





('H' MOUNTING AS SHOWN FOR EXAMPLE)

\*\*\*CONNECTOR TOTAL POSITIONS MUST BE AT LEAST ONE POSITION LONGER THAN KEY LOCATION, USE S1192 FOR CONNECTORS WITH KEY IN LAST POSITION (EX: \_ \_C05DRSH-S1192 IS FOR 5-POSITION CONNECTOR WITH MOLDED KEY IN POSITION 5)

6

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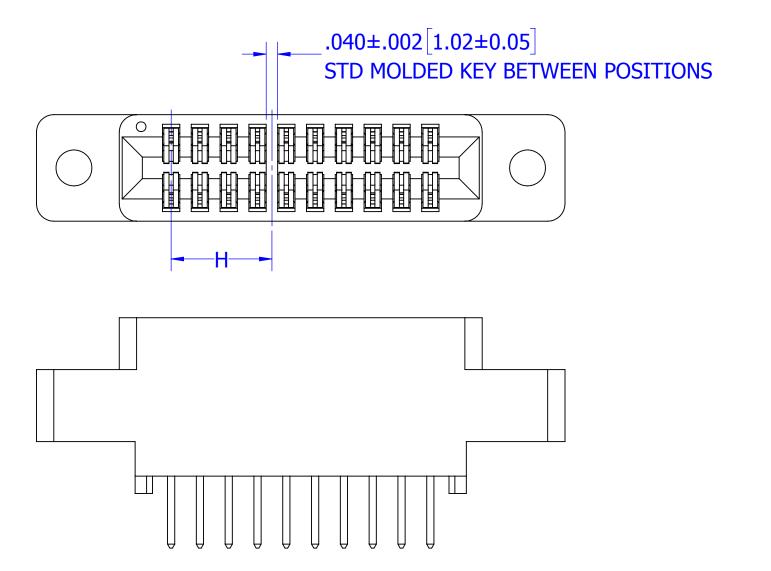
REV H

C10922

SHEET 4 OF 6

## **STANDARD LOCATION TABLE FOR KEY BETWEEN POSITIONS\*\*\***

MOLDED KEY BETWEEN POSITIONS 1 & 2	H±.008	[±0.20]	MODIFICATION NUMBER (S#)  FOR STD COLOR WITH  STD KEY BETWEEN POSITIONS ONLY	
	INCH	MM		
	0.050	1.27	\$1061	
2 & 3	0.150	3.81	\$688	
3 & 4	0.250	6.35	\$715	
4 & 5	0.350	8.89	\$797	
5 & 6	0.450	11.43	\$1032	
6 & 7	0.550	13.97	\$2379	
7 & 8	0.650	16.51	S2038	
8 & 9	0.750	19.05		
9 & 10	0.850	21.59		
10 & 11	0.950	24.13	\$1245	
11 & 12	1.050	26.67		
12 & 13	1.150	29.21		
13 & 14	1.250	31.75		
14 & 15	1.350	34.29		
15 & 16	1.450	36.83		
16 & 17	1.550	39.37		
17 & 18	1.650	41.91		
18 & 19	1.750	44.45	\$2386	
19 & 20	1.850	46.99	S2379	
20 & 21	1.950	49.53	\$807	
21 & 22	2.050	52.07		
22 & 23	2.150	54.61		
23 & 24	2.250	57.15		
24 & 25	2.350	59.69		
25 & 26	2.450	62.23	\$1105	
26 & 27	2.550	64.77		
27 & 28	2.650	67.31	\$1073	
28 & 28	2.750	69.85		
29 & 30	2.850	72.39		
30 & 31	2.950	74.93	S1688	
31 & 32	3.050	77.47		
32 & 33	3.150	80.01	S1440	
33 & 34	3.250	82.55		
34 & 35	3.350	85.09	\$1215	
35 & 36	3.450	87.63	\$948	
36 & 37	3.550	90.17		
37 & 38	3.650	92.71		
38 & 39	3.750	95.25		
39 & 40	3.850	97.79		
40 & 41	3.950	100.33	\$947	
41 & 42	4.050	102.87	\$811	
42 & 43	4.150	105.41		
43 & 44	4.250	107.95	1	
44 & 45	4.350	110.49	5045	
45& 46	4.450	113.03	\$946	
46 & 47	4.550	115.57	+	
47 & 48	4.650	118.11	cono	
48 & 49	4.750	120.65	\$808	
49 & 50	4.850	123.19	+	
50 & 51	4.950	125.73	1	
51 & 52	5.050	128.27	1	
52 & 53	5.150	130.81	1	
53 & 54	5.250	133.35	+	
54 & 55 55 & 56	5.350	135.89 138.43	1	
56 & 57	5.450 5.550	138.43		
			1	
57 & 58 58 & 59	5.650 5.750	143.51 146.05	1	
59 & 60	5.850	148.59	-	



('H' MOUNTING AS SHOWN FOR EXAMPLE)

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**SULLINS** 

EDGECARD, .100 CC, HP, STD KEY BETWEEN POSITIONS

REV **H** 

CAGE CODE DWG. NO. 54453 C10922 SCALE: 3:1 SHEET 5 OF 6

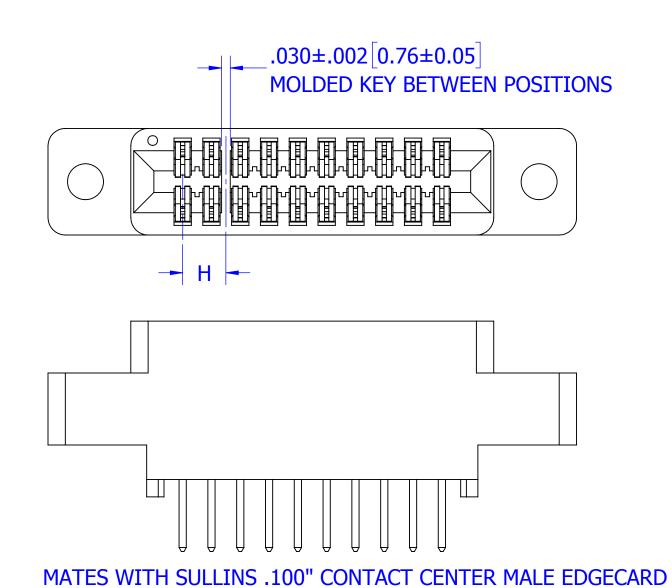
\*\*\*CONNECTOR TOTAL POSITIONS MUST BE AT LEAST ONE POSITION LONGER THAN KEY LOCATION

7 6

5

## **LOCATION TABLE FOR .030" WIDE KEY BETWEEN POSITIONS\*\*\***

MÖLDED KEY BETWEEN	H±.008	[±0.20]	MODIFICATION NUMBER (S#) FOR STD COLOR WITH
POSITIONS	INCH	ММ	.030" WIDE KEY BETWEEN POSITIONS ONL
1 & 2	0.050	1.27	
2 & 3	0.150	3.81	S1663
3 & 4	0.250	6.35	
4 & 5	0.350	8.89	
5 & 6	0.450	11.43	S2381
6 & 7	0.550	13.97	
7 & 8	0.650	16.51	
8 & 9	0.750	19.05	
9 & 10	0.850	21.59	
10 & 11	0.950	24.13	
11 & 12	1.050	26.67	
12 & 13	1.150	29.21	
13 & 14	1.250	31.75	\$1951
14 & 15	1.350	34.29	
15 & 16	1.450	36.83	
16 & 17	1.550	39.37	
17 & 18	1.650	41.91	
18 & 19	1.750	44.45	
19 & 20	1.850	46.99	
20 & 21	1.950	49.53	
21 & 22	2.050	52.07	
22 & 23	2.150	54.61	
23 & 24	2.250	57.15	
24 & 25	2.350	59.69	
25 & 26	2.450	62.23	
26 & 27	2.550	64.77	
27 & 28	2.650	67.31	
28 & 28	2.750	69.85	
29 & 30	2.850	72.39	
30 & 31	2.950	74.93	
31 & 32	3.050	77.47	
32 & 33	3.150	80.01	
33 & 34	3.250	82.55	
34 & 35	3.350	85.09	
35 & 36	3.450	87.63	
36 & 37	3.550	90.17	
37 & 38	3.650	92.71	
38 & 39	3.750	95.25	
39 & 40	3.850	97.79	
40 & 41	3.950	100.33	
41 & 42 42 & 43	4.050 4.150	102.87 105.41	
42 & 43	4.150	103.41	
44 & 45	4.250	110.49	
44 & 45	4.450	113.03	
46 & 47	4.450	115.57	
47 & 48	4.650	118.11	
48 & 49	4.750	120.65	
49 & 50	4.850	123.19	
50 & 51	4.850	125.73	+
51 & 52	5.050	123.73	<u> </u>
52 & 53	5.150	130.81	1
52 & 53	5.250	133.35	+
54 & 55	5.350	135.89	+
55 & 56	5.450	138.43	+
56 & 57	5.550	140.97	+
57 & 58	5.650	143.51	
58 & 59	5.750	146.05	+



('H' MOUNTING AS SHOWN FOR EXAMPLE)

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**SULLINS** EDGECARD, .100 CC, HP .030" WIDE

**KEY BETWEEN POSITIONS** CAGE CODE DWG. NO.

REV **H** 

54453 C10922 SCALE: 3:1 SHEET 6 OF 6

\*\*\*CONNECTOR TOTAL POSITIONS MUST BE AT LEAST ONE POSITION LONGER THAN KEY LOCATION