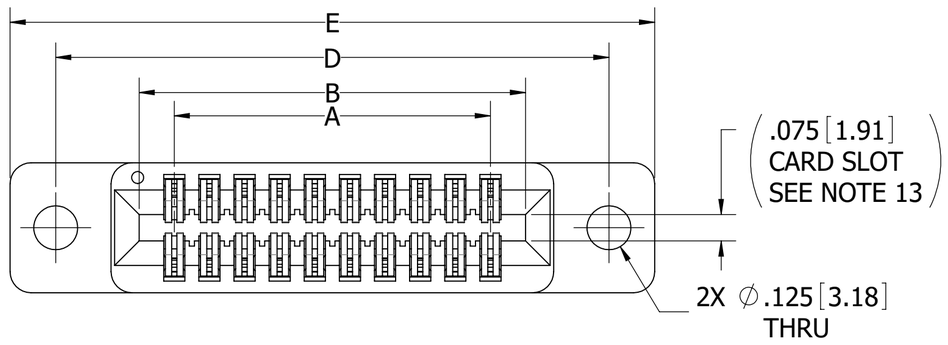
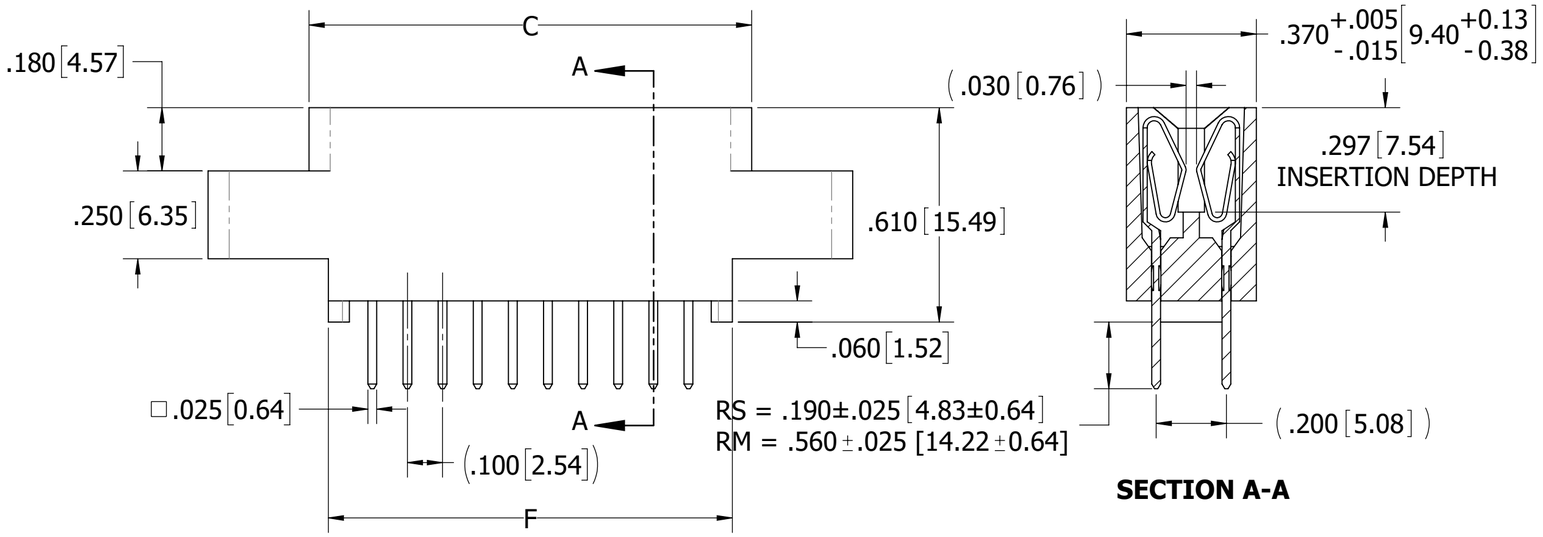
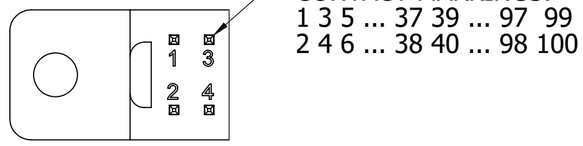
REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
J	3877	REMOVE STD KEY LOCAION TABLE (REPLACE WITH DWG C13556, CHANGE S1013 TO S2425)	10/28/2019	JH
K	4312	ADD 26 POSITION	1/14/2020	JH



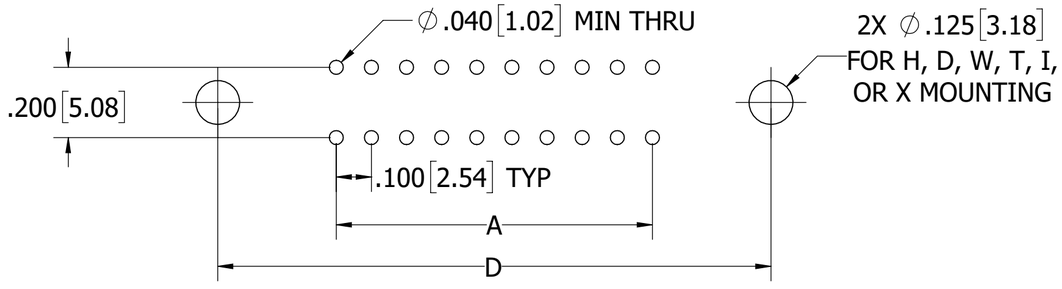


_ _ C _ _DRSH
_ _ C _ _DRMH

SECTION A-A



CONTACT ID
SCALE 4:1



RECOMMENDED PCB LAYOUT

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: 700 VAC
8. CURRENT RATING: 3 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: 8 OZ MAX PER CONTACT PAIR WHEN USING A .062[1.57] TEST BLADE
15. WITHDRAWAL FORCE: 1 OZ MIN PER CONTACT PAIR USING .062[1.57] TEST BLADE
16. MODIFICATION: SEE PART NUMBER CODING

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.

SULLINS CONNECTOR SOLUTIONS

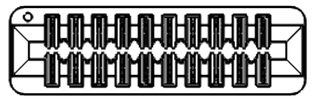
TITLE: EDGECARD, .100 CC, HP

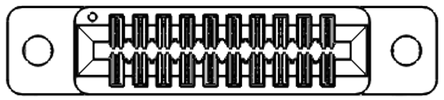
PART NUMBER: _ _ C _ _D(RS,RM)_-(S38, S81, S328)

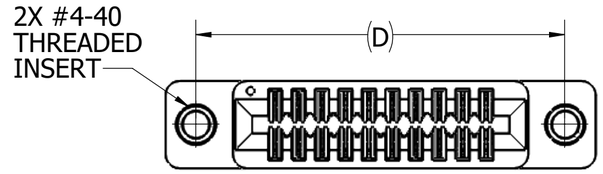
SIZE	CAGE CODE	DWG. NO.	REV
C	54453	C10922	K

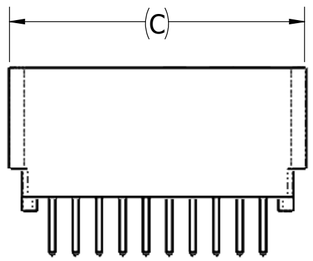
SCALE: 3:1 | SHEET 1 OF 4

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

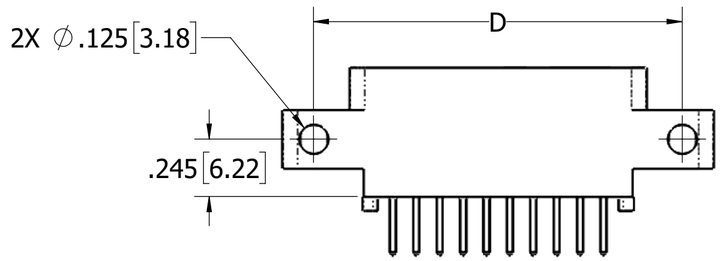




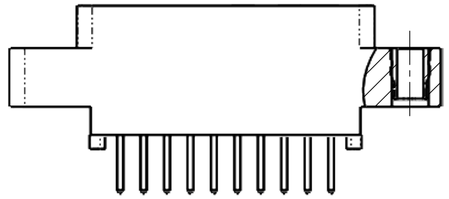




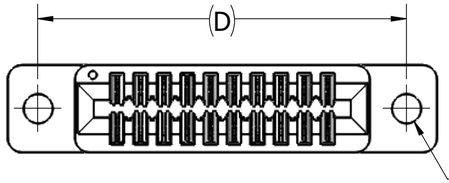
_ _ C _ _DRSN
_ _ C _ _DRMN

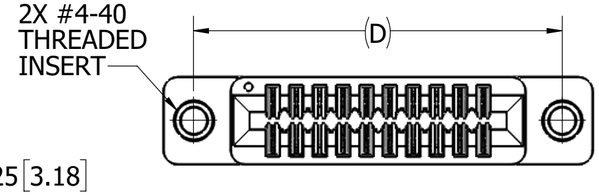


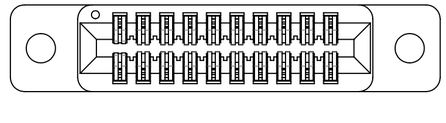
_ _ C _ _DRSS
_ _ C _ _DRMS

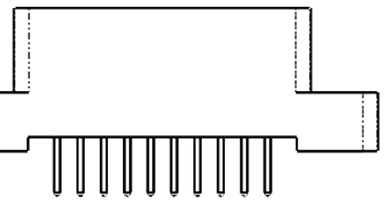


_ _ C _ _DRSI
_ _ C _ _DRMI

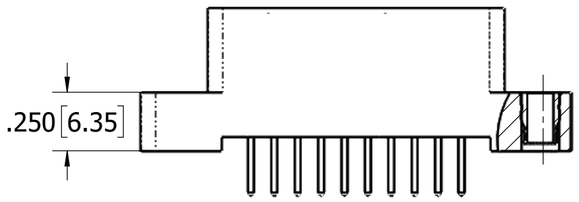




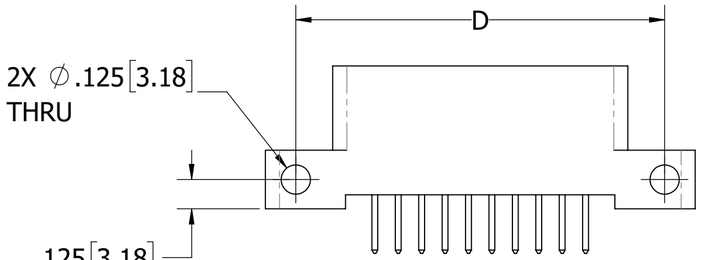




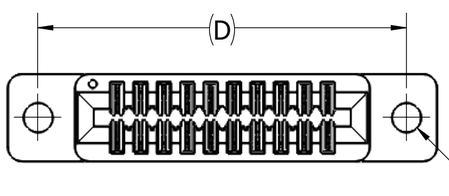
_ _ C _ _DRSD
_ _ C _ _DRMD

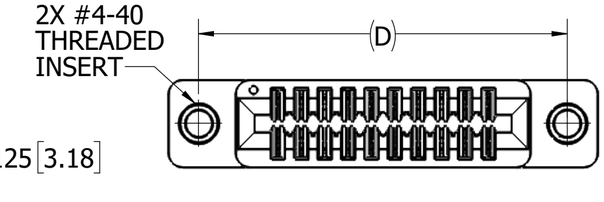


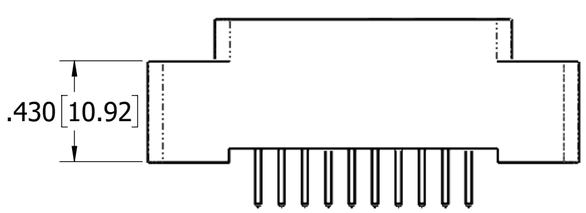
_ _ C _ _DRST
_ _ C _ _DRMT



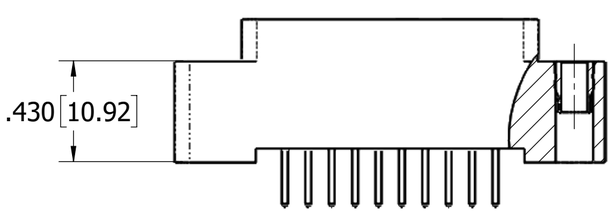
_ _ C _ _DRSZ
_ _ C _ _DRMZ







_ _ C _ _DRSW
_ _ C _ _DRMW



_ _ C _ _DRSX
_ _ C _ _DRMX

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.

SULLINS CONNECTOR SOLUTIONS

TITLE: EDGECARD, .100 CC, HP

PART NUMBER: _ _C_ _D(RS,RM)_-(S38, S81, S328)

SIZE	CAGE CODE	DWG. NO.	REV
C	54453	C10922	K

SCALE: 2:1 SHEET 2 OF 4

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

PART NUMBER	POSITIONS	A±.008[±0.20]		B±.008[±0.20]		C±.015[±0.38]		D±.010[±0.25]		E±.020[±0.51]		F±.015[±0.38]	
		INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM
_ _C06D(RS,RM)_	6	0.500	12.70	0.700	17.78	0.860	21.84	1.175	29.85	1.435	36.45	0.750	19.05
_ _C07D(RS,RM)_	7	0.600	15.24	0.800	20.32	0.960	24.38	1.275	32.39	1.535	38.99	0.850	21.59
_ _C08D(RS,RM)_	8	0.700	17.78	0.900	22.86	1.060	26.92	1.375	34.93	1.635	41.53	0.950	24.13
_ _C10D(RS,RM)_	10	0.900	22.86	1.100	27.94	1.260	32.00	1.575	40.01	1.835	46.61	1.150	29.21
_ _C12D(RS,RM)_	12	1.100	27.94	1.300	33.02	1.460	37.08	1.775	45.09	2.035	51.69	1.350	34.29
_ _C13D(RS,RM)_	13	1.200	30.48	1.400	35.56	1.560	39.62	1.875	47.63	2.135	54.23	1.450	36.83
_ _C15D(RS,RM)_	15	1.400	35.56	1.600	40.64	1.760	44.70	2.075	52.71	2.335	59.31	1.650	41.91
_ _C17D(RS,RM)_	17	1.600	40.64	1.800	45.72	1.960	49.78	2.275	57.79	2.535	64.39	1.850	46.99
_ _C18D(RS,RM)_	18	1.700	43.18	1.900	48.26	2.060	52.32	2.375	60.33	2.635	66.93	1.950	49.53
_ _C20D(RS,RM)_	20	1.900	48.26	2.100	53.34	2.260	57.40	2.575	65.41	2.835	72.01	2.150	54.61
_ _C22D(RS,RM)_	22	2.100	53.34	2.300	58.42	2.460	62.48	2.775	70.49	3.035	77.09	2.350	59.69
_ _C24D(RS,RM)_	24	2.300	58.42	2.500	63.50	2.660	67.56	2.975	75.57	3.235	82.17	2.550	64.77
_ _C25D(RS,RM)_	25	2.400	60.96	2.600	66.04	2.760	70.10	3.075	78.11	3.335	84.71	2.650	67.31
_ _C26D(RS,RM)_	26	2.500	63.50	2.700	68.58	2.860	72.64	3.175	80.65	3.435	87.25	2.750	69.85
_ _C28D(RS,RM)_	28	2.700	68.58	2.900	73.66	3.060	77.72	3.375	85.73	3.635	92.33	2.950	74.93
_ _C29D(RS,RM)_	29	2.800	71.12	3.000	76.20	3.160	80.26	3.475	88.27	3.735	94.87	3.050	77.47
_ _C30D(RS,RM)_	30	2.900	73.66	3.100	78.74	3.260	82.80	3.575	90.81	3.835	97.41	3.150	80.01
_ _C31D(RS,RM)_	31	3.000	76.20	3.200	81.28	3.360	85.34	3.675	93.35	3.935	99.95	3.250	82.55
_ _C35D(RS,RM)_	35	3.400	86.36	3.600	91.44	3.760	95.50	4.075	103.51	4.335	110.11	3.650	92.71
_ _C36D(RS,RM)_	36	3.500	88.90	3.700	93.98	3.860	98.04	4.175	106.05	4.435	112.65	3.750	95.25
_ _C40D(RS,RM)_	40	3.900	99.06	4.100	104.14	4.260	108.20	4.575	116.21	4.835	122.81	4.150	105.41
_ _C43D(RS,RM)_	43	4.200	106.68	4.400	111.76	4.560	115.82	4.875	123.83	5.135	130.43	4.450	113.03
_ _C44D(RS,RM)_	44	4.300	109.22	4.500	114.30	4.660	118.36	4.975	126.37	5.235	132.97	4.550	115.57
_ _C49D(RS,RM)_	49	4.800	121.92	5.000	127.00	5.160	131.06	5.475	139.07	5.735	145.67	5.050	128.27
_ _C50D(RS,RM)_	50	4.900	124.46	5.100	129.54	5.260	133.60	5.575	141.61	5.835	148.21	5.150	130.81
_ _C55D(RS,RM)_	55	5.400	137.16	5.600	142.24	5.760	146.30	6.075	154.31	6.335	160.91	5.650	143.51
_ _C60D(RS,RM)_	60	5.900	149.86	6.100	154.94	6.260	159.00	6.575	167.01	6.835	173.61	6.150	156.21
_ _C61D(RS,RM)_	61	6.000	152.40	6.200	157.48	6.360	161.54	6.675	169.55	6.935	176.15	6.250	158.75
_ _C65D(RS,RM)_	65	6.400	162.56	6.600	167.64	6.760	171.70	7.075	179.71	7.335	186.31	6.650	168.91
_ _C70D(RS,RM)_	70	6.900	175.26	7.100	180.34	7.260	184.40	7.575	192.41	7.835	199.01	7.150	181.61
_ _C80D(RS,RM)_	80	7.900	200.66	8.100	205.74	8.260	209.80	8.575	217.81	8.835	224.41	8.150	207.01
_ _C90D(RS,RM)_	90	8.900	226.06	9.100	231.14	9.260	235.20	9.575	243.21	9.835	249.81	9.150	232.41
_ _C100D(RS,RM)_	100	9.900	251.46	10.100	256.54	10.260	260.60	10.575	268.61	10.835	275.21	10.150	257.81

PART NUMBER CODING

_ _ C _ _ D _ _ _ -S _ _ _ _

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

J = BLACK PA9T/BERYLLIUM COPPER
OPERATING TEMP: -65°C TO +150°C
PROCESSING TEMP: 260°C MAX FOR 20 SECS

T = 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)
SEE DRAWING C13556 FOR STANDARD MOLDED KEY LOCATION, S# AND DIMENSION 'G' & 'H'
SEE PAGE 4 FOR S# AND DIMENSION 'H' FOR .030" WIDE MOLDED KEY BETWEEN POSITIONS

MOUNTING STYLE

H = .125" DIA. CLEARANCE HOLES
I = #4-40 THREADED INSERT
S = .125" DIA. SIDE MOUNTING
N = NO MOUNTING EARS
D = .250" EARS, FLUSH MOUNTING
T = .250" EARS, FLUSH MOUNTING WITH # 4-40 THREADED INSERT
Z = .250" EARS, FLUSH MOUNTING WITH .125 DIA SIDE HOLES
W = .430" EARS, FLUSH MOUNTING
X = .430" EARS, FLUSH MOUNTING WITH # 4-40 THREADED INSERT

TERMINATION TYPE

RS = .190" TAIL LENGTH
RM = .560" TAIL LENGTH

NUMBER OF POSITIONS (CONTACTS PER ROW)

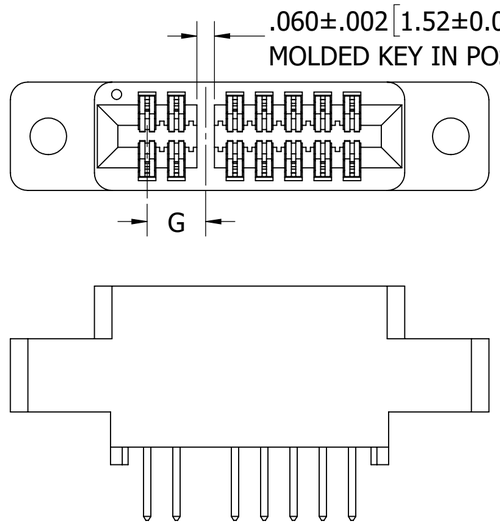
PLATING

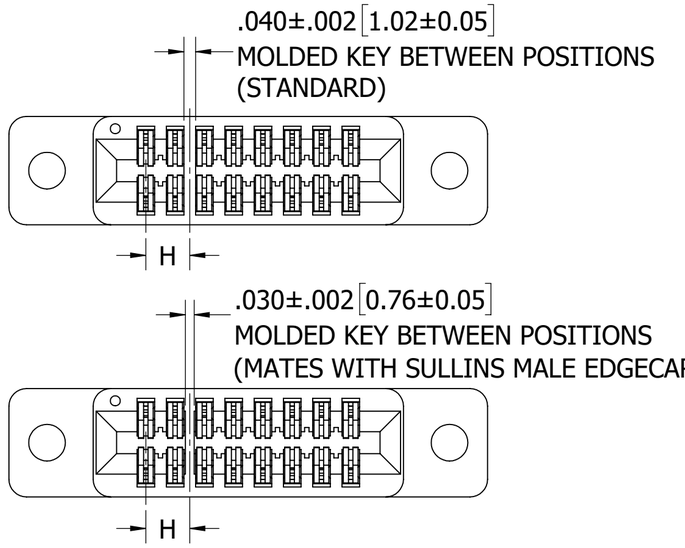
ALL PLATINGS HAVE .000050" NICKEL UNDERPLATE

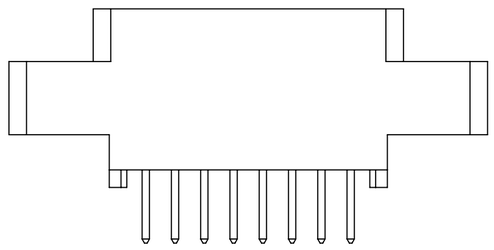
	CONTACT SURFACE	TERMINATION
B	.000010" GOLD	.000100" PURE TIN, MATTE
C	.000030" GOLD	.000100" PURE TIN, MATTE
G	.000010" GOLD	.000005" GOLD
Y	.000030" GOLD	.000005" GOLD
**E	.000100" PURE TIN, MATTE, OVERALL	
S	.000010" GOLD OVERALL	
M	.000030" GOLD	.000010" GOLD OVERALL

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

RoHS COMPLIANT







('H' MOUNTING AS SHOWN FOR EXAMPLE)

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.

SULLINS CONNECTOR SOLUTIONS

TITLE: EDGECARD, .100 CC, HP

PART NUMBER: _ _C_ _D(RS,RM)_-(S38, S81, S328)

SIZE	CAGE CODE	DWG. NO.	REV
C	54453	C10922	K

SCALE: 2.5:1 SHEET 3 OF 4

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

MOLDED KEY BETWEEN POSITIONS	H±.008[±0.20]		MODIFICATION NUMBER (S#) FOR STD COLOR WITH .030" WIDE KEY BETWEEN POSITIONS ONLY
	INCH	MM	
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	S1951
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	4.050	102.87	
42 & 43	4.150	105.41	
43 & 44	4.250	107.95	
44 & 45	4.350	110.49	
45& 46	4.450	113.03	
46 & 47	4.550	115.57	
47 & 48	4.650	118.11	
48 & 49	4.750	120.65	
49 & 50	4.850	123.19	
50 & 51	4.950	125.73	
51 & 52	5.050	128.27	
52 & 53	5.150	130.81	
53 & 54	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	

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

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.

SULLINS CONNECTOR SOLUTIONS

TITLE: EDGECARD, .100 CC, HP

PART NUMBER: _ _C_ _D(RS,RM)_-(S38, S81, S328)

SIZE	CAGE CODE	DWG. NO.	REV
C	54453	C10922	K

SCALE: 4:1 | SHEET 4 OF 4

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