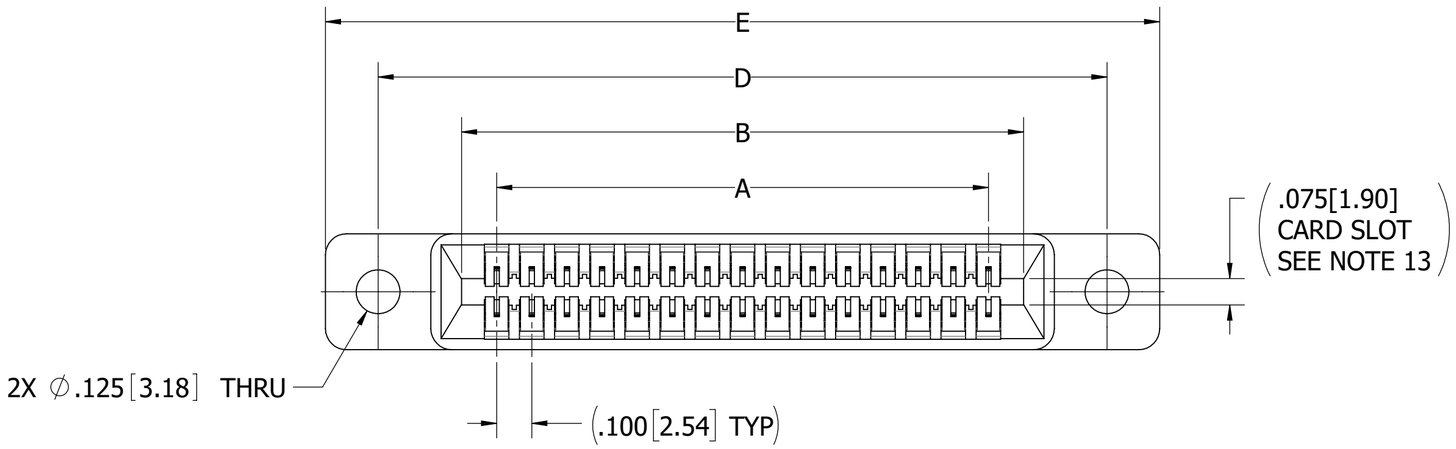
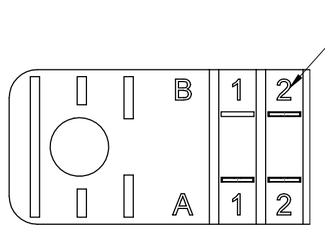
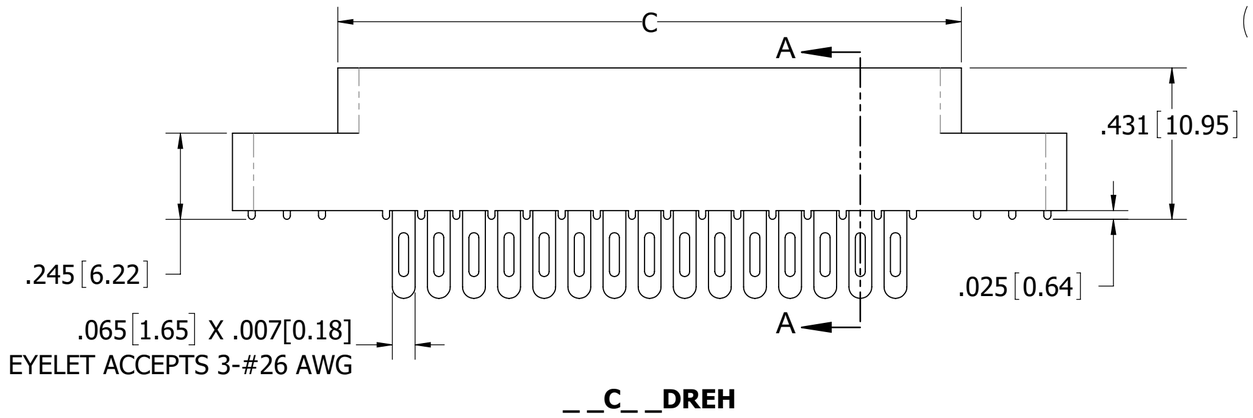
REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
C	3439	ADD -S38, -S81, -S328 MODIFICATION OPTIONS, UPDATE DWG FORMAT, UPDATE BOM ON PRODUCTION DWG, UPDATE PRODUCT FAMILY SPECIFICATIONS, UPDATE MATERIAL SPECIFICATIONS, ADD MATERIAL COLOR TO P/N CODING	5/12/2016	MG
D	3880	ADD KEY IN & BETWEEN POSITION OPTION, OBSOLETE DWG 13337(S1632) & DWG 12606(S688) REPLACE WITH DWG 10870	7/17/2018	JH
E	4221	ADD REF ROW SPACING DIMENSION	5/29/2020	JH

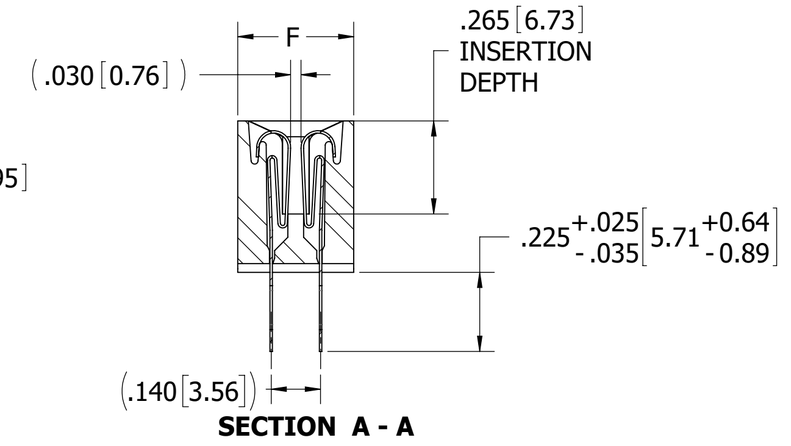




CONTACT ID
SCALE 4:1



_ _C_ _DREH



SECTION A - A

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 MINIMUM
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 SULLINS WORK INSTRUCTION WI-8.6-03
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
	10/4/2011	JH

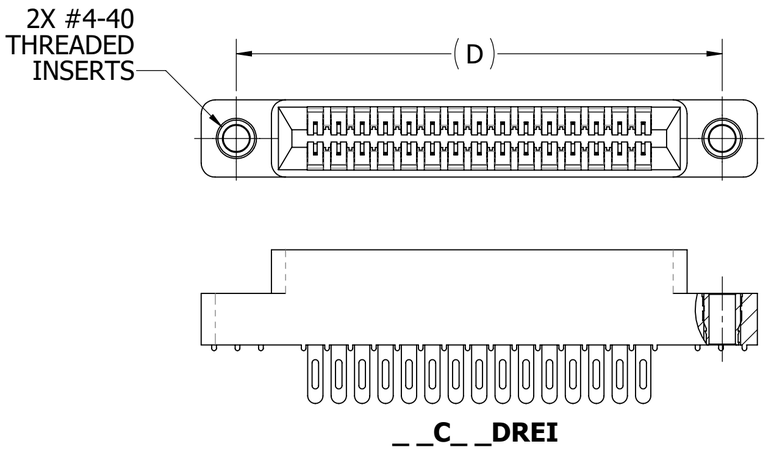
SULLINS CONNECTOR SOLUTIONS

TITLE: EDGECARD, .100 CC LP

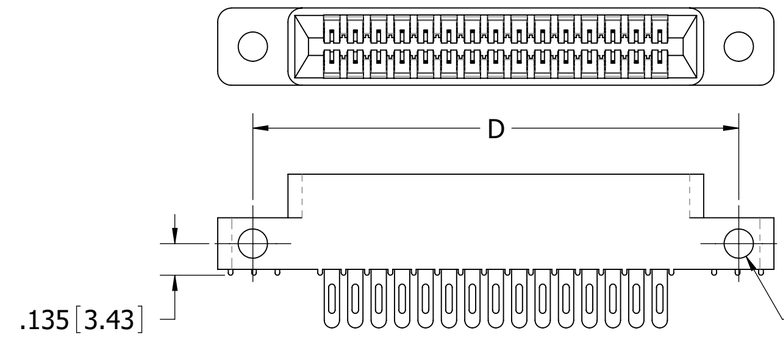
PART NUMBER: _ _C_ _DRE_(-S38,-S81,-S328)

SIZE	CAGE CODE	DWG. NO.	REV
C	54453	C10870	E

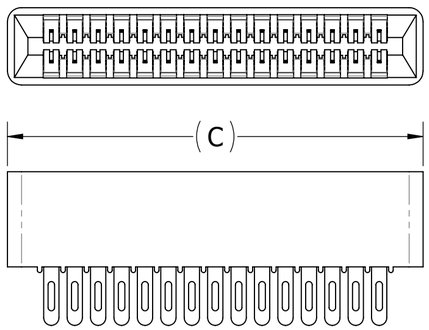
SCALE: 2:1 | SHEET 1 OF 4



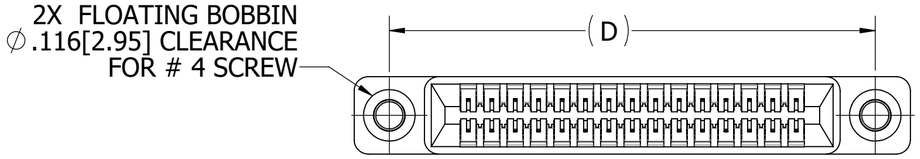
_ _C_ _DREI

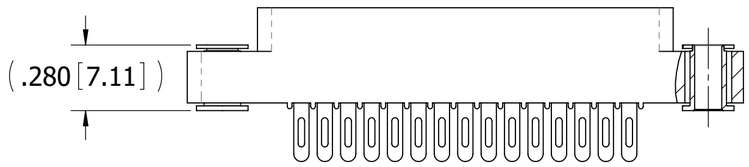


_ _C_ _DRES

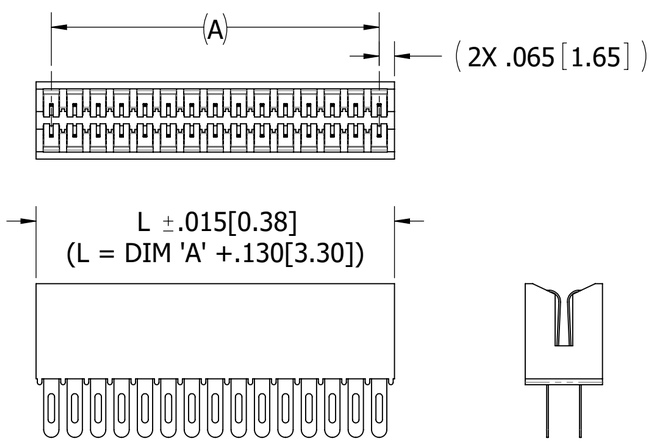


_ _C_ _DREN





_ _C_ _DREF



_ _C_ _DREB

CUSTOMER COPY

RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES [MM]

TOLERANCES:

ANGULAR: ± 1°

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

DRAWN	DATE	NAME
	10/4/2011	JH

SULLINS CONNECTOR SOLUTIONS

TITLE: EDGECARD, .100 CC LP

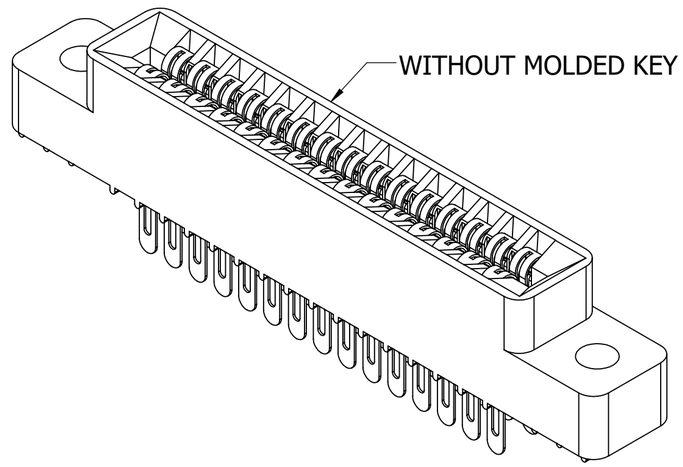
PART NUMBER: _ _C_ _DRE_(-S38,-S81,-S328)

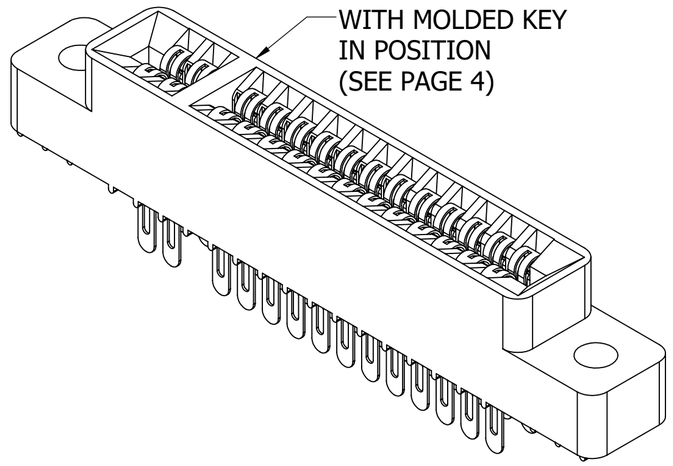
SIZE	CAGE CODE	DWG. NO.	REV
C	54453	C10870	E

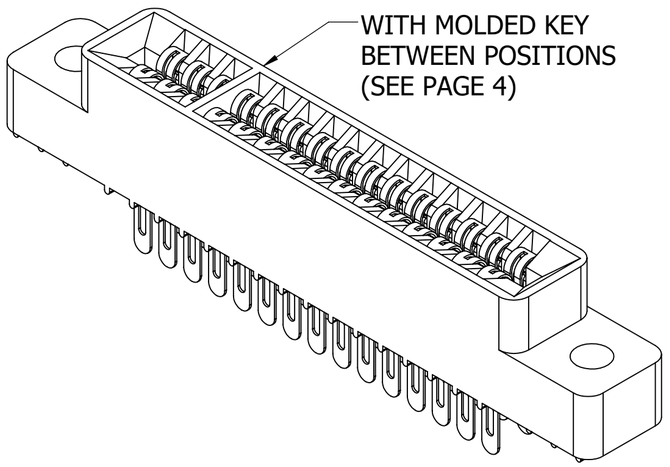
SCALE: 2:1

FILE NAME: C10870, _ _C_ _DRE_-OMIT, S38, S81, S328, S_ _ _ _, STD KEY IN POSITION, KEY BETWEEN POSITIONS

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]		F+.005[0.13] -.015[0.38]	
		IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
_ _C04DRE_-S_ _ _	4	0.300	7.62	0.500	12.70	0.675	17.15	0.975	24.77	1.275	32.39	0.330	8.38
_ _C05DRE_-S_ _ _	5	0.400	10.16	0.600	15.24	0.775	19.69	1.075	27.31	1.375	34.93		
_ _C06DRE_-S_ _ _	6	0.500	12.70	0.700	17.78	0.875	22.23	1.175	29.85	1.475	37.47		
_ _C07DRE_-S_ _ _	7	0.600	15.24	0.800	20.32	0.975	24.77	1.275	32.39	1.575	40.01		
_ _C08DRE_-S_ _ _	8	0.700	17.78	0.900	22.86	1.075	27.31	1.375	34.93	1.675	42.55		
_ _C10DRE_-S_ _ _	10	0.900	22.86	1.100	27.94	1.275	32.39	1.575	40.01	1.875	47.63		
_ _C12DRE_-S_ _ _	12	1.100	27.94	1.300	33.02	1.475	37.47	1.775	45.09	2.075	52.71		
_ _C13DRE_-S_ _ _	13	1.200	30.48	1.400	35.56	1.575	40.01	1.875	47.63	2.175	55.25		
_ _C15DRE_-S_ _ _	15	1.400	35.56	1.600	40.64	1.775	45.09	2.075	52.71	2.375	60.33		
_ _C17DRE_-S_ _ _	17	1.600	40.64	1.800	45.72	1.975	50.17	2.275	57.79	2.575	65.41		
_ _C18DRE_-S_ _ _	18	1.700	43.18	1.900	48.26	2.075	52.71	2.375	60.33	2.675	67.95		
_ _C19DRE_-S_ _ _	19	1.800	45.72	2.000	50.80	2.175	55.25	2.475	62.87	2.775	70.49		
_ _C20DRE_-S_ _ _	20	1.900	48.26	2.100	53.34	2.275	57.79	2.575	65.41	2.875	73.03		
_ _C22DRE_-S_ _ _	22	2.100	53.34	2.300	58.42	2.475	62.87	2.775	70.49	3.075	78.11		
_ _C23DRE_-S_ _ _	23	2.200	55.88	2.400	60.96	2.575	65.41	2.875	73.03	3.175	80.65		
_ _C25DRE_-S_ _ _	25	2.400	60.96	2.600	66.04	2.775	70.49	3.075	78.11	3.375	85.73		
_ _C26DRE_-S_ _ _	26	2.500	63.50	2.700	68.58	2.875	73.03	3.175	80.65	3.475	88.27		
_ _C28DRE_-S_ _ _	28	2.700	68.58	2.900	73.66	3.075	78.11	3.375	85.73	3.675	93.35		
_ _C30DRE_-S_ _ _	30	2.900	73.66	3.100	78.74	3.275	83.19	3.575	90.81	3.875	98.43		
_ _C31DRE_-S_ _ _	31	3.000	76.20	3.200	81.28	3.375	85.73	3.675	93.35	3.975	100.97		
_ _C32DRE_-S_ _ _	32	3.100	78.74	3.300	83.82	3.475	88.27	3.775	95.89	4.075	103.51	0.400	10.16
_ _C35DRE_-S_ _ _	35	3.400	86.36	3.600	91.44	3.775	95.89	4.075	103.51	4.375	111.13		
_ _C36DRE_-S_ _ _	36	3.500	88.90	3.700	93.98	3.875	98.43	4.175	106.05	4.475	113.67		
_ _C38DRE_-S_ _ _	38	3.700	93.98	"B" MOUNTING ONLY									
_ _C40DRE_-S_ _ _	40	3.900	99.06	4.100	104.14	4.275	108.59	4.575	116.21	4.875	123.83		
_ _C43DRE_-S_ _ _	43	4.200	106.68	4.400	111.76	4.575	116.21	4.875	123.83	5.175	131.45		
_ _C44DRE_-S_ _ _	44	4.300	109.22	4.500	114.30	4.675	118.75	4.975	126.37	5.275	133.99		
_ _C49DRE_-S_ _ _	49	4.800	121.92	5.000	127.00	5.175	131.45	5.475	139.07	5.775	146.69		
_ _C50DRE_-S_ _ _	50	4.900	124.46	5.100	129.54	5.275	133.99	5.575	141.61	5.875	149.23		
_ _C52DRE_-S_ _ _	52	5.100	129.54	5.300	134.62	5.475	139.07	5.775	146.69	6.075	154.31		
_ _C60DRE_-S_ _ _	60	5.900	149.86	6.100	154.94	6.275	159.39	6.575	167.01	6.875	174.63		
_ _C65DRE_-S_ _ _	65	6.400	162.56	6.600	167.64	6.775	172.09	7.075	179.71	7.375	187.33		







PART NUMBER CODING

_ _C _ _ DRE _ -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 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 (CONSULT FACTORY)
OPERATING TEMP: -65°C TO +200°C
AVAILABLE IN OVERALL GOLD ONLY (S OR M PLATING CODE)
PROCESSING TEMP: 260°C MAX FOR 20 SECONDS
(CONSULT FACTORY FOR SPECIAL SOLDERING REQUIREMENTS)

C = GREEN PPS/BERYLLIUM NICKEL (CONSULT FACTORY)
AVAILABLE IN OVERALL GOLD ONLY (S OR M PLATING CODE)
OPERATING TEMP: -65°C TO +200°C
PROCESSING TEMP: 260°C MAX FOR 20 SECONDS

W = TAN PEEK/BERYLLIUM NICKEL (CONSULT FACTORY)
AVAILABLE IN OVERALL GOLD ONLY (M PLATING CODE)
OPERATING TEMP: -65°C TO +250°C

MODIFICATION
OMIT = STANDARD WITHOUT MOLDED KEY, EX: 'EBC22DREH'
S38 = BLACK PBT WITHOUT MOLDED KEY (MATERIAL CODES E & H ONLY)
S81 = GREEN PBT WITHOUT MOLDED KEY (MATERIAL CODES E & H ONLY)
S328 = BROWN PPS WITHOUT MOLDED KEY (MATERIAL CODES A, R, F, AND C ONLY)
SEE PAGE 4 FOR KEY OPTION

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

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

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
	10/4/2011	JH

SULLINS CONNECTOR SOLUTIONS

TITLE: EDGECARD, .100 CC LP

PART NUMBER: _ _C_ _DRE_(-S38,-S81,-S328)

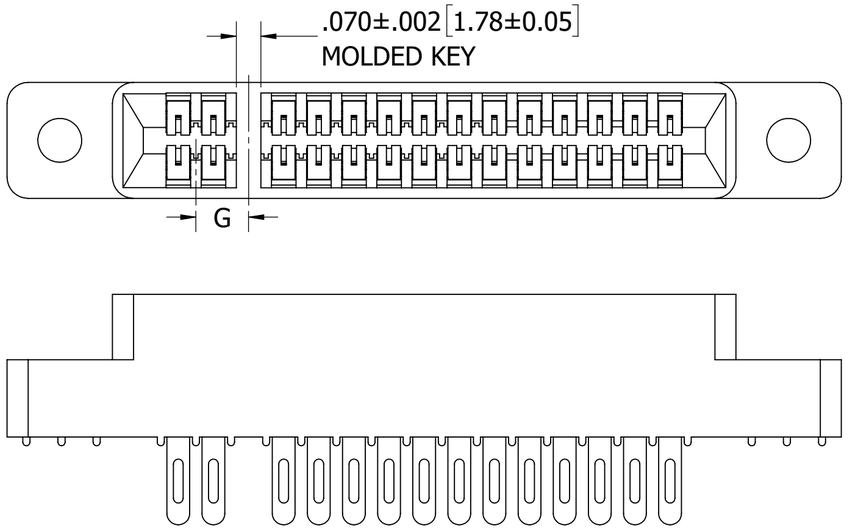
SIZE	CAGE CODE	DWG. NO.	REV
C	54453	C10870	E

SCALE: 3:1 SHEET 3 OF 4

FILE NAME: C10870, _ _C_ _DRE_-OMIT, S38, S81, S328, S_ _ _, STD KEY IN POSITION, KEY BETWEEN POSITIONS

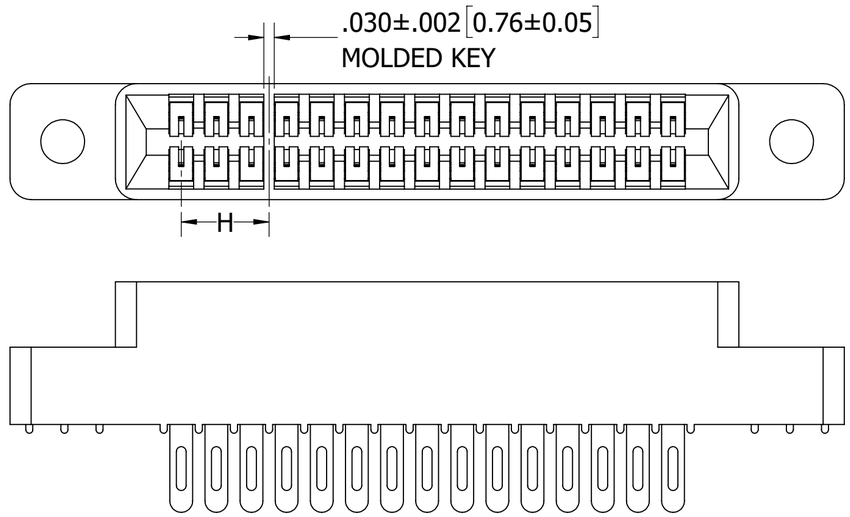
SEE DRAWING C13556 FOR MODIFICATION NUMBER (S#), 'G' & 'H' DIMENSIONS

KEY SLOT IN POSITION



('H' MOUNTING AS SHOWN FOR EXAMPLE)

KEY SLOT BETWEEN POSITIONS



('H' MOUNTING AS SHOWN FOR EXAMPLE)

CUSTOMER COPY

RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES [MM]

TOLERANCES:

ANGULAR: ± 1°

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

DRAWN	DATE	NAME
	10/4/2011	JH

SULLINS CONNECTOR SOLUTIONS

TITLE: EDGECARD, .100 CC LP, KEY IN POSITION

PART NUMBER: _ _C_ _DRE_-S_ _ _ _

SIZE	CAGE CODE	DWG. NO.	REV
C	54453	C10870	E

SCALE: 3:1 | SHEET 4 OF 4

FILE NAME: C10870, _ _C_ _DRE_-OMIT, S38, S81, S328, S_ _ _ _, STD KEY IN POSITION, KEY BETWEEN POSITIONS