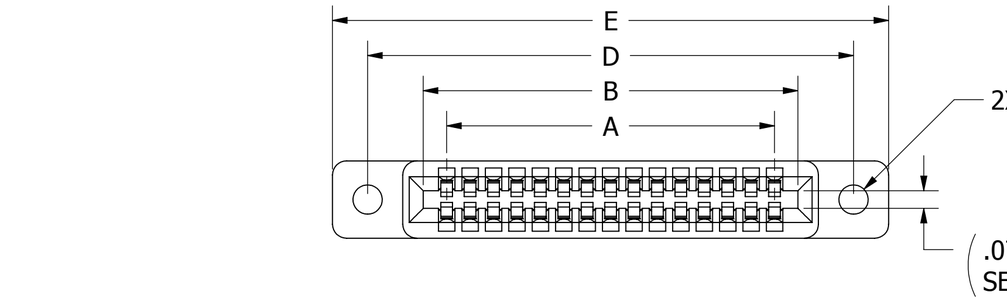
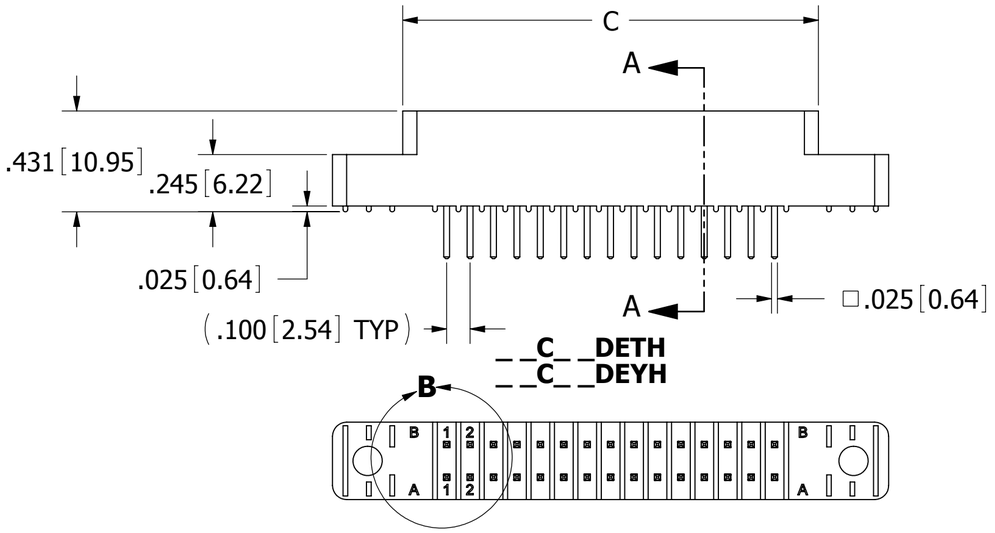
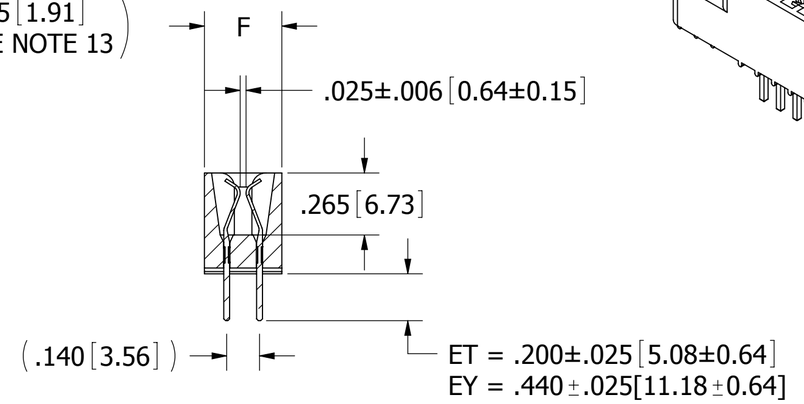
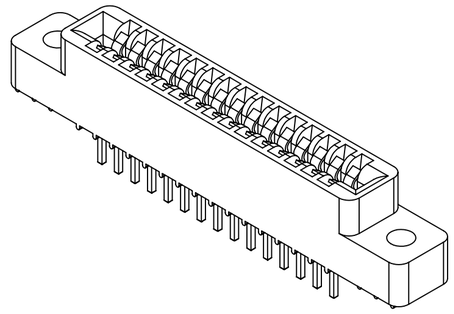
REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
A	2349	INITIAL RELEASE	4/1/2010	TT

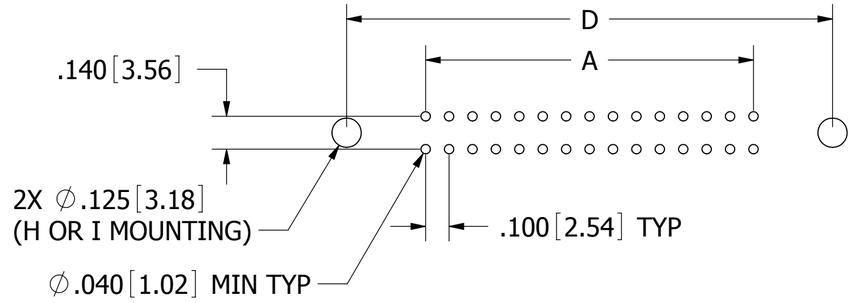




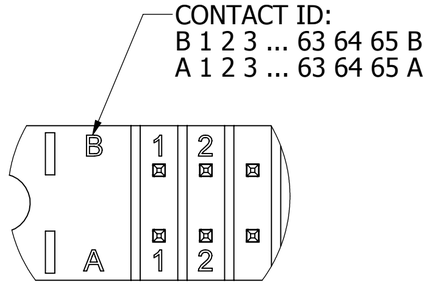


SECTION A-A





PCB LAYOUT RECOMMENDED



DETAIL B
SCALE 4 : 1

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. DIELECTRIC WITHSTANDING VOLTAGE: 750 VAC MINIMUM AT SEA LEVEL
8. CURRENT RATING: 3 AMP PER CONTACT
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] PCB

RoHS COMPLIANT

CUSTOMER COPY

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES [MM]

TOLERANCES: ANGULAR: ± 30'
.XX=± .02 [.5]
.XXX=± .005 [.13]
.XXXX=± .0005 [.013]

INTERPRET DIMENSIONS AND TOLERANCING
PER: ASME Y14.5M-2009

	DRAWN	DATE	NAME
		5/27/11	TT

SULLINS CONNECTOR SOLUTIONS

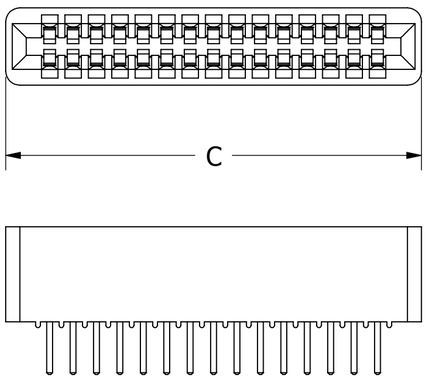
TITLE: LP .100" PITCH CANTILEVER EDGECARD

PART NUMBER: __C__DET (EY) _

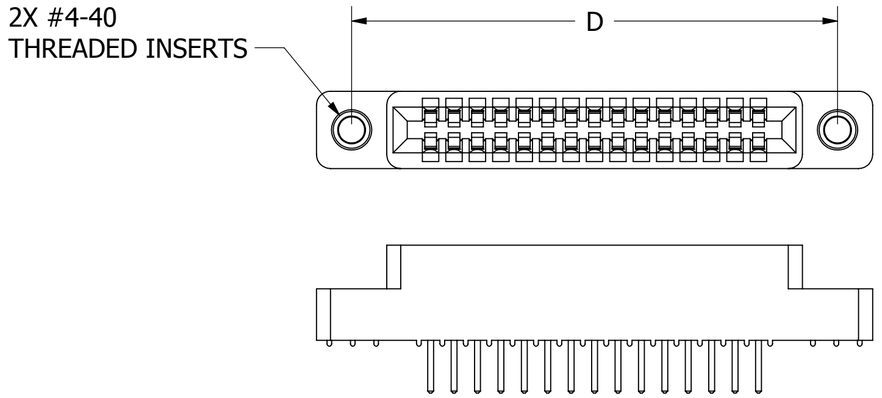
SIZE	CAGE CODE	DWG. NO.	REV
C	54453	C11681	A

SCALE: 2:1 SHEET 1 OF 3

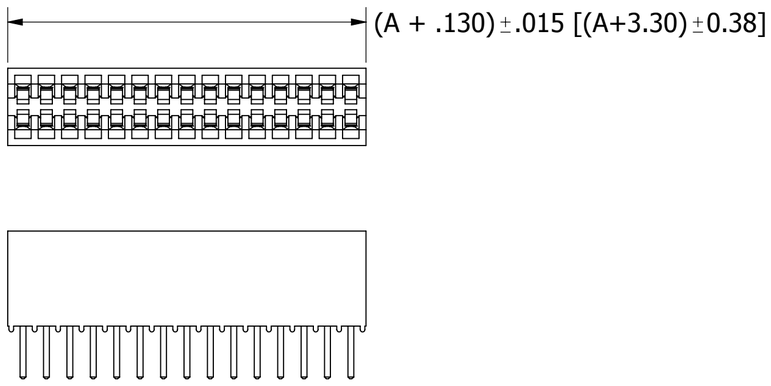
FILE NAME: C11681, __C__DET, DEY_



_ _C_ _DETN
_ _C_ _DEYN



_ _C_ _DETI
_ _C_ _DEYI



_ _C_ _DETB
_ _C_ _DEYB

CUSTOMER COPY

RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES [MM]

TOLERANCES: ANGULAR: ± 30'
.XX= ± .02 [.5]
.XXX= ± .005 [.13]
.XXXX= ± .0005 [.013]

INTERPRET DIMENSIONS AND TOLERANCING
PER: ASME Y14.5M-2009

DRAWN	DATE	NAME
	5/27/11	TT

SULLINS CONNECTOR SOLUTIONS

TITLE: LP .100" PITCH CANTILEVER EDGECARD

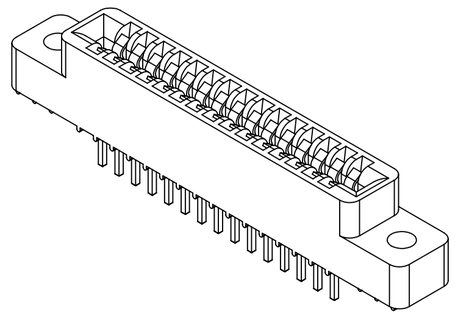
PART NUMBER: _ _C_ _DET (EY) _

SIZE	CAGE CODE	DWG. NO.	REV
C	54453	C11681	A

SCALE: 2:1

FILE NAME: C11681, _ _C_ _DET, DEY_

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/-.015 [0.13/0.38]]	
		IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM
_ _ C04DET(EY) _	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
_ _ C05DET(EY) _	5	0.400	10.16	0.600	15.24	0.775	19.69	1.075	27.31	1.375	34.93		
_ _ C06DET(EY) _	6	0.500	12.70	0.700	17.78	0.875	22.23	1.175	29.85	1.475	37.47		
_ _ C07DET(EY) _	7	0.600	15.24	0.800	20.32	0.975	24.77	1.275	32.39	1.575	40.01		
_ _ C08DET(EY) _	8	0.700	17.78	0.900	22.86	1.075	27.31	1.375	34.93	1.675	42.55		
_ _ C10DET(EY) _	10	0.900	22.86	1.100	27.94	1.275	32.39	1.575	40.01	1.875	47.63		
_ _ C12DET(EY) _	12	1.100	27.94	1.300	33.02	1.475	37.47	1.775	45.09	2.075	52.71		
_ _ C13DET(EY) _	13	1.200	30.48	1.400	35.56	1.575	40.01	1.875	47.63	2.175	55.25		
_ _ C15DET(EY) _	15	1.400	35.56	1.600	40.64	1.775	45.09	2.075	52.71	2.375	60.33		
_ _ C17DET(EY) _	17	1.600	40.64	1.800	45.72	1.975	50.17	2.275	57.79	2.575	65.41		
_ _ C18DET(EY) _	18	1.700	43.18	1.900	48.26	2.075	52.71	2.375	60.33	2.675	67.95		
_ _ C19DET(EY) _	19	1.800	45.72	2.000	50.80	2.175	55.25	2.475	62.87	2.775	70.49		
_ _ C20DET(EY) _	20	1.900	48.26	2.100	53.34	2.275	57.79	2.575	65.41	2.875	73.03		
_ _ C22DET(EY) _	22	2.100	53.34	2.300	58.42	2.475	62.87	2.775	70.49	3.075	78.11		
_ _ C23DET(EY) _	23	2.200	55.88	2.400	60.96	2.575	65.41	2.875	73.03	3.175	80.65		
_ _ C25DET(EY) _	25	2.400	60.96	2.600	66.04	2.775	70.49	3.075	78.11	3.375	85.73		
_ _ C26DET(EY) _	26	2.500	63.50	2.700	68.58	2.875	73.03	3.175	80.65	3.475	88.27		
_ _ C28DET(EY) _	28	2.700	68.58	2.900	73.66	3.075	78.11	3.375	85.73	3.675	93.35		
_ _ C30DET(EY) _	30	2.900	73.66	3.100	78.74	3.275	83.19	3.575	90.81	3.875	98.43		
_ _ C31DET(EY) _	31	3.000	76.20	3.200	81.28	3.375	85.73	3.675	93.35	3.975	100.97		
_ _ C35DET(EY) _	35	3.400	86.36	3.600	91.44	3.775	95.89	4.075	103.51	4.375	111.13	0.400	10.16
_ _ C36DET(EY) _	36	3.500	88.90	3.700	93.98	3.875	98.43	4.175	106.05	4.475	113.67		
_ _ C40DET(EY) _	40	3.900	99.06	4.100	104.14	4.275	108.59	4.575	116.21	4.875	123.83		
_ _ C43DET(EY) _	43	4.200	106.68	4.400	111.76	4.575	116.21	4.875	123.83	5.175	131.45		
_ _ C44DET(EY) _	44	4.300	109.22	4.500	114.30	4.675	118.75	4.975	126.37	5.275	133.99		
_ _ C49DET(EY) _	49	4.800	121.92	5.000	127.00	5.175	131.45	5.475	139.07	5.775	146.69		
_ _ C50DET(EY) _	50	4.900	124.46	5.100	129.54	5.275	133.99	5.575	141.61	5.875	149.23		
_ _ C52DET(EY) _	52	5.100	129.54	5.300	134.62	5.475	139.07	5.775	146.69	6.075	154.31		
_ _ C60DET(EY) _	60	5.900	149.86	6.100	154.94	6.275	159.39	6.575	167.01	6.875	174.63		
_ _ C65DET(EY) _	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 _ _ D _ _ _

MATERIAL (INSULATOR/CONTACT)

E=PBT/PHOSPHOR BRONZE
OPERATING TEMP: -65°C TO +105°C
PROCESSING TEMP: 260°C FOR 10 SECS MAX

R=PPS/PHOSPHOR BRONZE
OPERATING TEMP: -65°C TO +125°C
PROCESSING TEMP: 260°C FOR 120 SECS MAX

G=PA9T/PHOSPHOR BRONZE
OPERATING TEMP: -65°C TO +125°C
PROCESSING TEMP: 260°C FOR 20 SECS MAX

H=PBT/BERYLLIUM COPPER
OPERATING TEMP: -65°C TO +105°C
PROCESSING TEMP: 260°C FOR 10 SECS MAX

A=PPS/BERYLLIUM COPPER
OPERATING TEMP: -65°C TO +150°C
PROCESSING TEMP: 260°C FOR 120 SECS MAX

PLATING

ALL PLATINGS HAVE .000050" NICKEL UNDERPLATE

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

NUMBER OF POSITIONS

TERMINATION TYPE

ET = .200"[5.08] TAIL LENGTH
EY = .440"[11.18] TAIL LENGTH

MOUNTING STYLE

H = .125" DIA. CLEARANCE HOLES (PAGE 1)
I = #4-40 THREADED INSERT (PAGE 2)
N = NO MOUNTING EARS (PAGE 2)
B = OPEN CARDSLOT (PAGE 2)

RoHS COMPLIANT

CUSTOMER COPY

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES [MM]

TOLERANCES: ANGULAR: ± 30'
.XX=± .02 [.5]
.XXX=± .005 [.13]
.XXXX=± .0005 [.013]

INTERPRET DIMENSIONS AND TOLERANCING PER: ASME Y14.5M-2009

DRAWN	DATE	NAME
	5/27/11	TT

SULLINS CONNECTOR SOLUTIONS

TITLE: LP .100" PITCH CANTILEVER EDGECARD

PART NUMBER: _ _C_ _DET (EY) _

SIZE	CAGE CODE	DWG. NO.	REV
C	54453	C11681	A

SCALE: 2:1 SHEET 3 OF 3

FILE NAME: C11681, _ _C_ _DET, DEY_