

## PART NUMBER CODING

**B** **DYR**

### MATERIAL (INSULATOR/CONTACT)

**R** = BLACK, 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

**A** = BLACK, 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** = BLACK, PPS/SPINODAL

OPERATING TEMP: -65°C TO +200°C  
PROCESSING TEMP: 260°C MAX FOR 20 SECONDS  
(AVAILABLE IN 'M' PLATING ONLY)

### NUMBER OF POSITIONS (CONTACTS PER ROW)

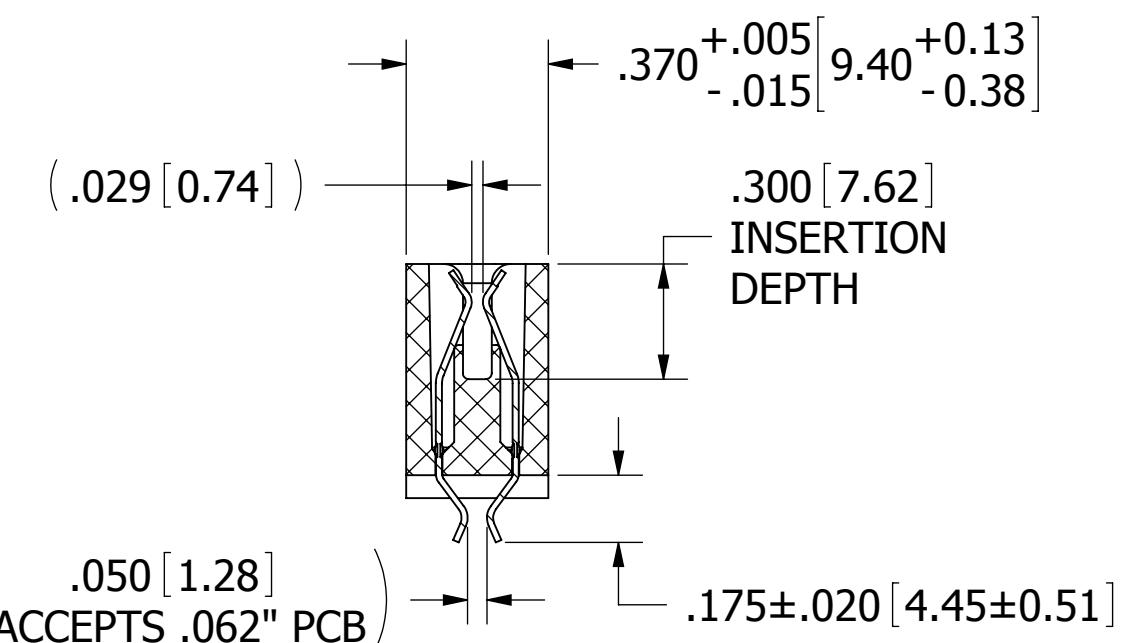
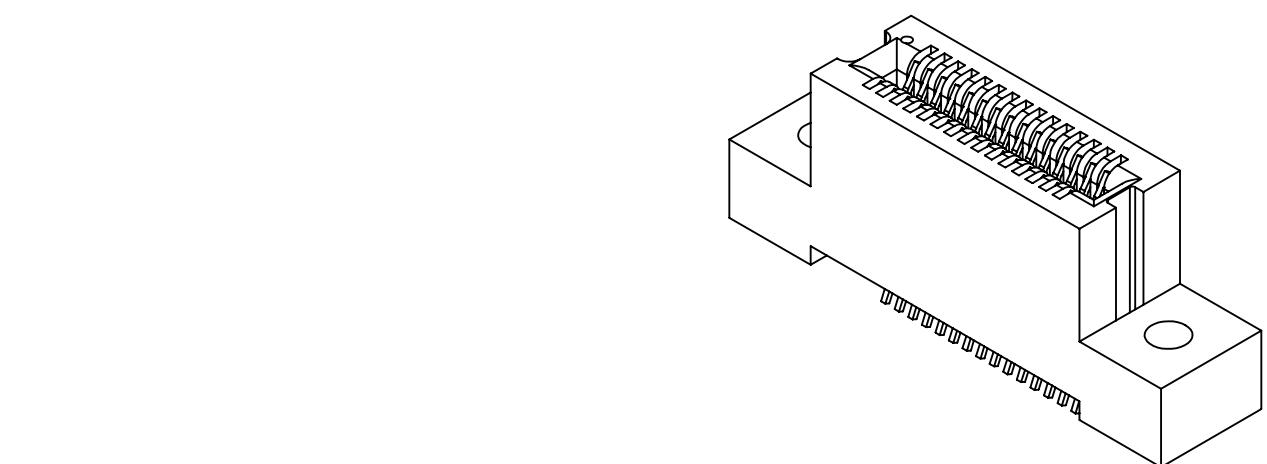
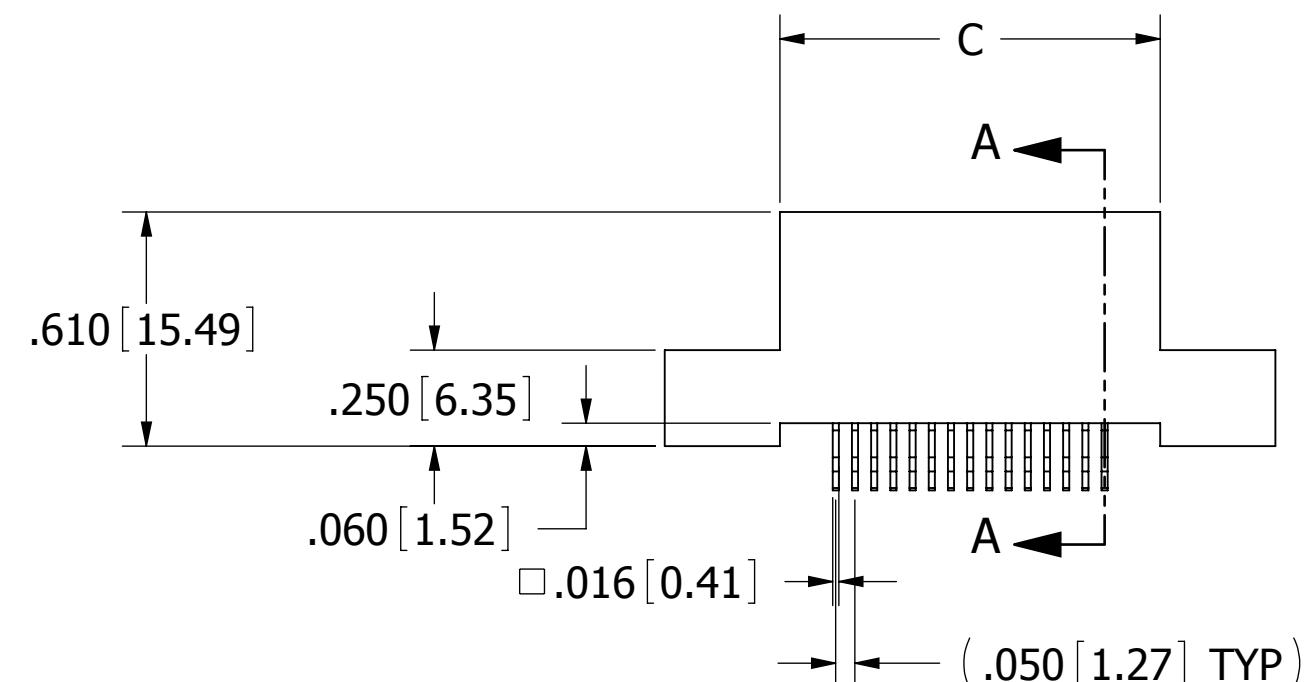
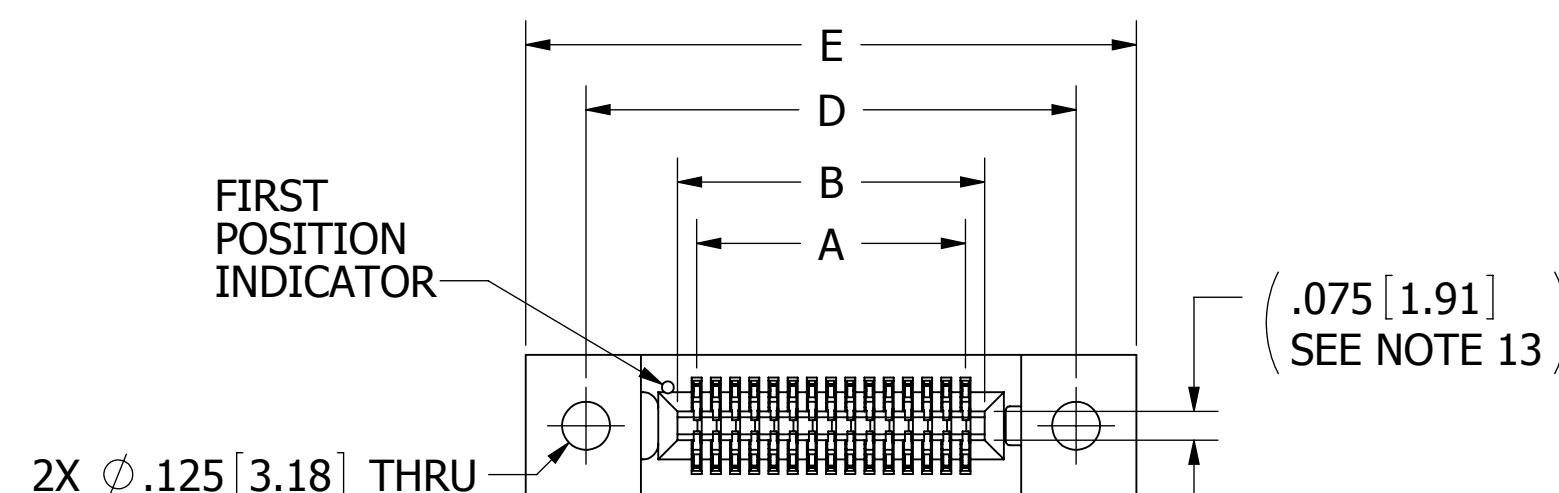
### MOUNTING STYLE

D = FLUSH MOUNTING (PAGE 1)  
N = NO MOUNTING EARS (PAGE 2)  
T = FLUSH MOUNTING, WITH THREADED INSERTS (PAGE 2)  
Q = STRADDLE MOUNT (PAGE 2)

### PLATING

ALL PLATINGS ARE LEAD FREE AND HAVE .000050" NICKEL UNDERPLATE

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

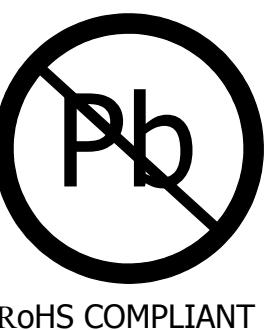


SECTION A-A

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: 300 VAC MINIMUM AT SEA LEVEL
8. CURRENT RATING: 1 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:  $.062 \pm .008$  [1.57 ± 0.20]
14. INSERTION FORCE: 6 OZ MAX PER CONTACT PAIR WHEN USING A .062[1.57] TEST BLADE
15. WITHDRAWAL FORCE: 1/2 OZ MIN PER CONTACT PAIR USING .062[1.57] PCB

**—B—DYRD**



RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN INCHES [MM]

DRAWN DATE NAME  
01/06/10 TT

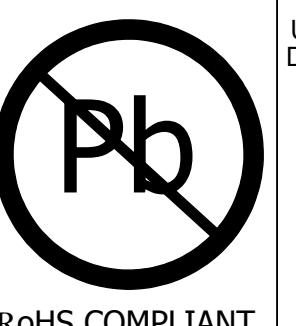
TOLERANCES:  
ANGULAR:  $\pm 1^\circ$   
DECIMALS:  
 $.XX = \pm .02$  [.5]  
 $.XXX = \pm .005$  [.13]  
 $XXXX = \pm .0005$  [.013]

SULLINS  
CONNECTOR SOLUTIONS

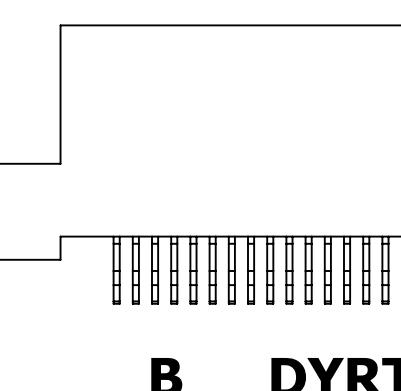
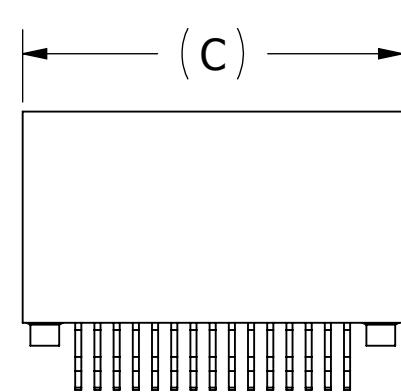
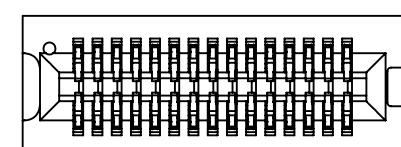
TITLE: EDGE CARD, .050" CC, HP  
PART NUMBER: **—B—DYR—**  
SIZE: C CAGE CODE: 54453 DWG. NO: C11421  
SCALE: 2:1 SHEET 1 OF 2

FILE NAME: C11421, —B—DYR— CARD EXT. STD ASSY

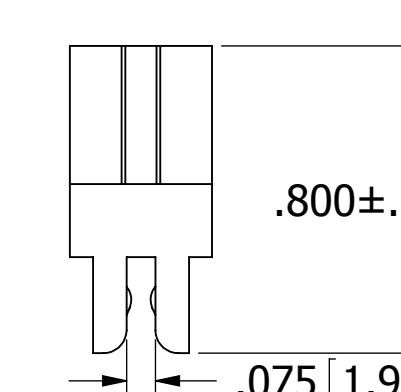
PART NUMBER	NO OF POS.	A $\pm$ .005[0.13]		B $\pm$ .005[0.13]		C $\pm$ .015[0.38]		D $\pm$ .010[0.25]		E $\pm$ .020[0.51]		F $\pm$ .010[0.25]	
		IN	MM										
_B05DYR	5	0.200	5.08	0.300	7.62	0.490	12.45	0.776	19.71	1.090	27.69	0.614	15.60
_B06DYR	6	0.250	6.35	0.350	8.89	0.540	13.72	0.826	20.98	1.140	28.96	0.664	16.87
_B09DYR	9	0.400	10.16	0.500	12.70	0.690	17.53	0.976	24.79	1.290	32.77	0.814	20.68
_B10DYR	10	0.450	11.43	0.550	13.97	0.740	18.80	1.026	26.06	1.340	34.04	0.864	21.95
_B13DYR	13	0.600	15.24	0.700	17.78	0.890	22.61	1.176	29.87	1.490	37.85	1.014	25.76
_B14DYR	14	0.650	16.51	0.750	19.05	0.940	23.88	1.226	31.14	1.540	39.12	1.064	27.03
_B15DYR	15	0.700	17.78	0.800	20.32	0.990	25.15	1.276	32.41	1.590	40.39	1.114	28.30
_B20DYR	20	0.950	24.13	1.050	26.67	1.240	31.50	1.526	38.76	1.840	46.74	1.364	34.65
_B22DYR	22	1.050	26.67	1.150	29.21	1.340	34.04	1.626	41.30	1.940	49.28	1.464	37.19
_B25DYR	25	1.200	30.48	1.300	33.02	1.490	37.85	1.776	45.11	2.090	53.09	1.614	41.00
_B30DYR	30	1.450	36.83	1.550	39.37	1.740	44.20	2.026	51.46	2.340	59.44	1.864	47.35
_B34DYR	34	1.650	41.91	1.750	44.45	1.940	49.28	2.226	56.54	2.540	64.52	2.064	52.43
_B35DYR	35	1.700	43.18	1.800	45.72	1.990	50.55	2.276	57.81	2.590	65.79	2.114	53.70
_B40DYR	40	1.950	49.53	2.050	52.07	2.240	56.90	2.526	64.16	2.840	72.14	2.364	60.05
_B45DYR	45	2.200	55.88	2.300	58.42	2.490	63.25	2.776	70.51	3.090	78.49	2.614	66.40
_B50DYR	50	2.450	62.23	2.550	64.77	2.740	69.60	3.026	76.86	3.340	84.84	2.864	72.75
_B55DYR	55	2.700	68.58	2.800	71.12	2.990	75.95	3.276	83.21	3.590	91.19	3.114	79.10
_B60DYR	60	2.950	74.93	3.050	77.47	3.240	82.30	3.526	89.56	3.840	97.54	3.364	85.45
_B64DYR	64	3.150	80.01	3.250	82.55	3.440	87.38	3.726	94.64	4.040	102.62	3.564	90.53
_B65DYR	65	3.200	81.28	3.300	83.82	3.490	88.65	3.776	95.91	4.090	103.89	3.614	91.80
_B66DYR	66	3.250	82.55	3.350	85.09	3.540	89.92	3.826	97.18	4.140	105.16	3.664	93.07
_B70DYR	70	3.450	87.63	3.550	90.17	3.740	95.00	4.026	102.26	4.340	110.24	3.864	98.15
_B75DYR	75	3.700	93.98	3.800	96.52	3.990	101.35	4.276	108.61	4.590	116.59	4.114	104.50
_B80DYR	80	3.950	100.33	4.050	102.87	4.240	107.70	4.526	114.96	4.840	122.94	4.364	110.85
_B85DYR	85	4.200	106.68	4.300	109.22	4.490	114.05	4.776	121.31	5.090	129.29	4.614	117.20
_B90DYR	90	4.450	113.03	4.550	115.57	4.740	120.40	5.026	127.66	5.340	135.64	4.864	123.55
_B95DYR	95	4.700	119.38	4.800	121.92	4.990	126.75	5.276	134.01	5.590	141.99	5.114	129.90
_B100DYR	100	4.950	125.73	5.050	128.27	5.240	133.10	5.526	140.36	5.840	148.34	5.364	136.25
_B105DYR	105	5.200	132.08	5.300	134.62	5.490	139.45	5.776	146.71	6.090	154.69	5.614	142.60
_B108DYR	108	5.350	135.89	5.450	138.43	5.640	143.26	5.926	150.52	6.240	158.50	5.764	146.41
_B110DYR	110	5.450	138.43	5.550	140.97	5.740	145.80	6.026	153.06	6.340	161.04	5.864	148.95
_B120DYRN	120	5.950	151.13	6.050	153.67	6.240	158.50						



UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN INCHES [MM]  
TOLERANCES:  
ANGULAR:  $\pm 1^\circ$   
DECIMALS:  
 $.XX = \pm .02 [5]$   
 $.XXX = \pm .005 [13]$   
 $XXXX = \pm .0005 [013]$



2X #4-40  
THREADED  
INSERTS



**CUSTOMER COPY**

**SULLINS**  
CONNECTOR SOLUTIONS

TITLE: EDGE CARD, .050" CC, HP

PART NUMBER: \_B\_ \_DYR\_

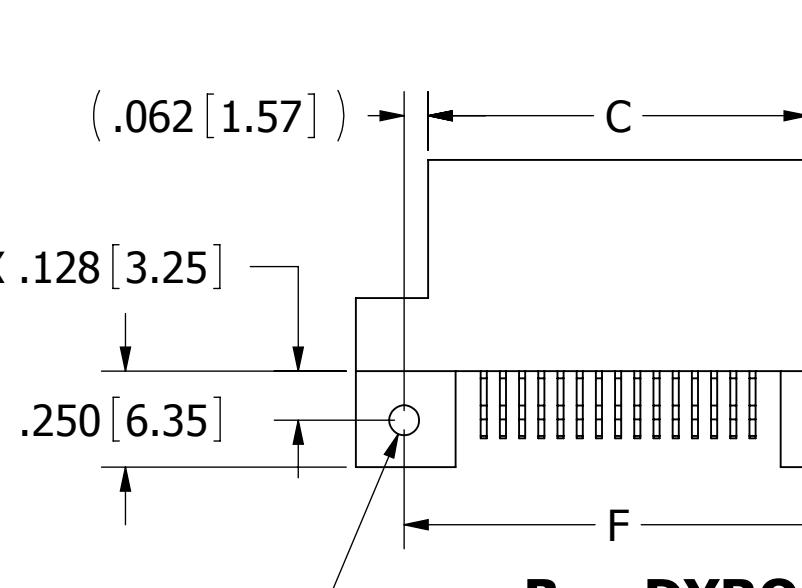
SIZE: C CAGE CODE: 54453 DWG. NO: C11421 REV: C

SCALE: 2:1 SHEET 2 OF 2

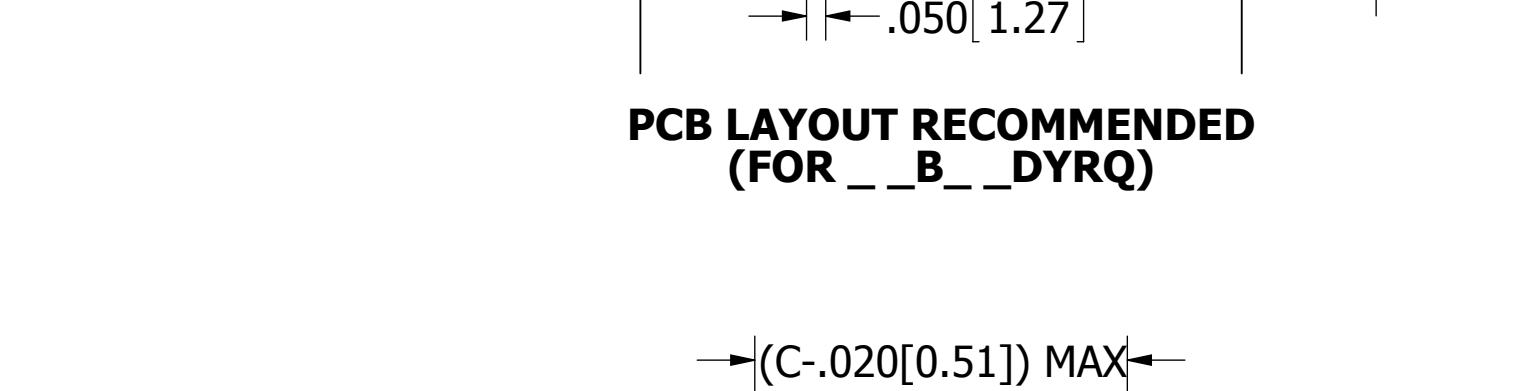
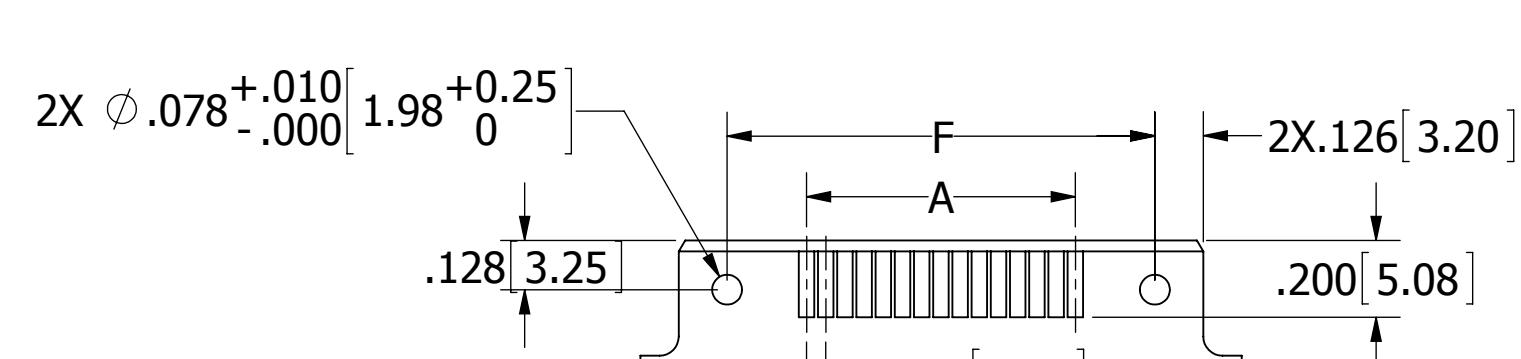
FILE NAME: C11421, \_B\_ \_DYR\_ CARD EXT. STD ASSY

**PCB LAYOUT RECOMMENDED  
(FOR \_B\_ \_DYRQ)**

**PCB LAYOUT RECOMMENDED  
(FOR \_B\_ \_DYRD OR \_B\_ \_DYRT)**



**\_B\_ \_DYRQ**



**\_B\_ \_DYRD OR \_B\_ \_DYRT**