

**PART NUMBER CODING**

**MATERIALS (INSULATOR / CONTACT)**

**R = BLACK 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

**A = BLACK 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  
(CONSULT FACTORY FOR OTHER MATERIALS)

**MODIFICATION**

OMIT = WITHOUT MOLDED KEY, EX: 'RBB15DHF'  
S# FOR MOLDED KEY  
(SEE DWG C13556 FOR S#, 'G' & 'H' DIMENSIONS)

**MOUNTING STYLE**

D = FLUSH MOUNTING (PAGE 1)  
N = NO MOUNTING EARS  
T = FLUSH MOUNTING WITH #4-40 THREADED INSERT  
R = BOARD LOCK

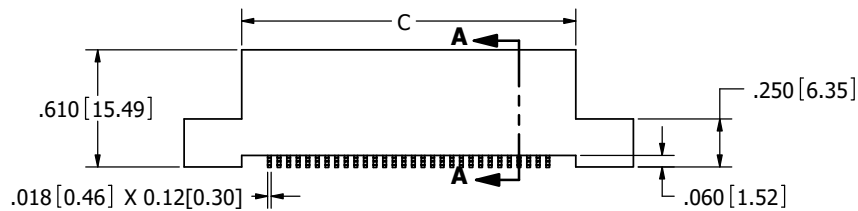
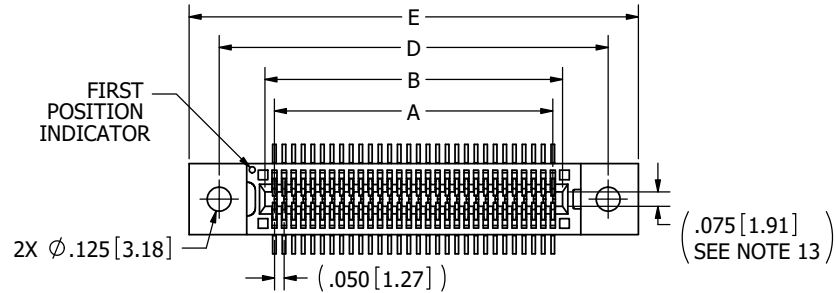
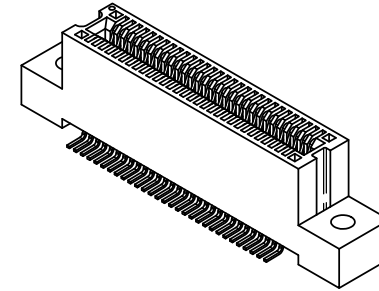
**NUMBER OF POSITIONS**  
(CONTACTS PER ROW)

**PLATING**

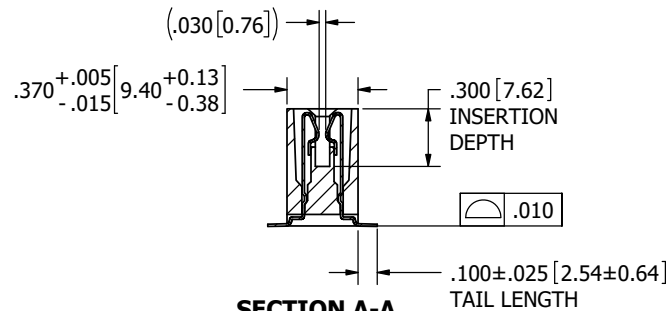
**ALL PLATINGS ARE LEAD FREE AND HAVE .000050" NICKEL UNDERPLATE**

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

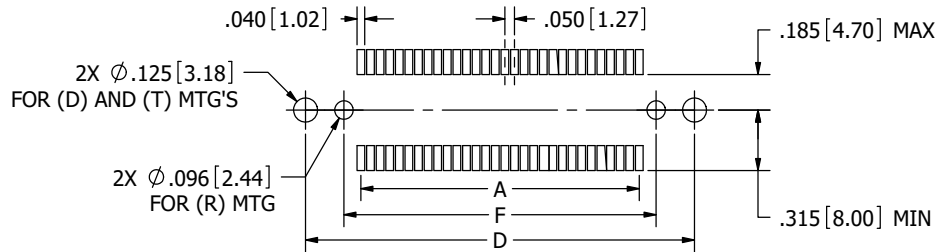
REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
C	2098	REMOVED "-S621" FROM P/N CODING, PCB LAYOUT DIM .185" MAX (WAS .185" MIN), .315" MIN (WAS .315" MAX), CORRECT NOTES 8 & 9.	1/5/2010	JH
D	2919	ADD CONTACT GAP DIM, TOL TO INSULATOR WIDTH, UPDATE DWG FORMAT	2/13/2014	NC
E	4412	ADD MOLDED KEY OPTIONS	8/6/2021	PL



**\_\_B\_\_DHF**



**SECTION A-A**



**RECOMMENDED PCB LAYOUT**

**NOTES:**

- INSULATOR MATERIAL: SEE PART NUMBER CODING
- CONTACT MATERIAL: SEE PART NUMBER CODING
- PLATING: SEE PART NUMBER CODING
- OPERATING TEMPERATURE: SEE PART NUMBER CODING
- PROCESSING TEMP: SEE PART NUMBER CODING
- UL FLAMMABILITY RATING: 94V-0
- OPERATING VOLTAGE: 300 VAC
- CURRENT RATING: 1 AMP
- CONTACT RESISTANCE: 30 MILLI OHMS MAX
- INSULATION RESISTANCE: 5000 MEGA OHMS
- DURABILITY: 500 CYCLES MIN
- CONNECTOR IDENTIFICATION: THE PART SHALL BE MARKED WITH A PART NUMBER AND LOT CODE
- BOARD THICKNESS ACCOMMODATED: .062 ± .008 [1.57 ± 0.20]
- INSERTION FORCE: 6 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
- WITHDRAWAL FORCE: 1/2 OZ MIN PER CONTACT PAIR USING .062 [1.57] PCB
- MODIFICATION: SEE PART NUMBER CODING



RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN INCHES (MM)

TOLERANCES:  
ANGULAR: ± 1°

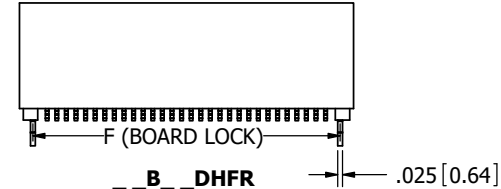
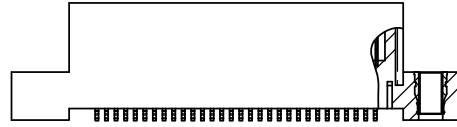
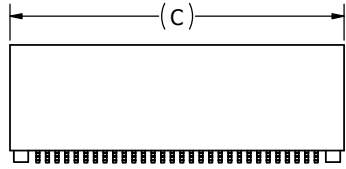
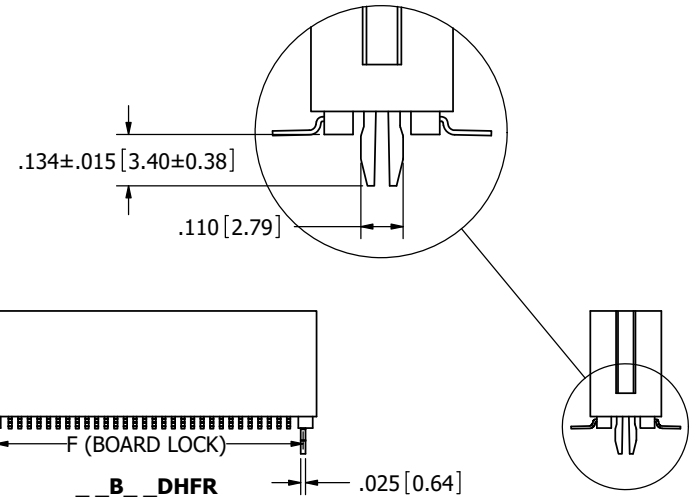
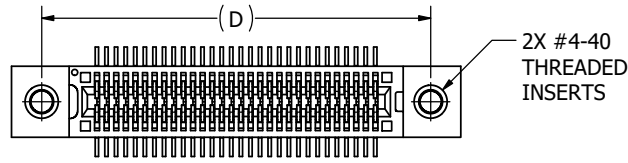
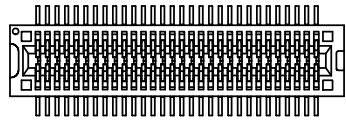
DECIMALS  
.XX = ± .02 [5]  
.XXX = ± .005 [13]  
.XXXX = ± .0005 [013]

DRAWN	DATE	NAME
	4/28/2006	HT

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		TITLE	
		EDGECARD, .050 CC, HP	
PART NUMBER		DWG. NO.	
__B__DHF-S		C10708	
SIZE	CAGE CODE	REV	
C	54453	E	
SCALE: 2:1		SHEET 1 OF 3	

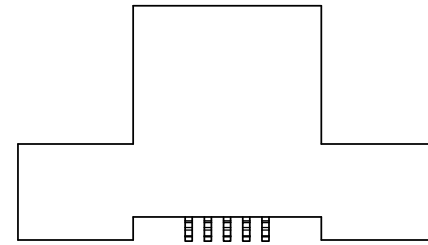
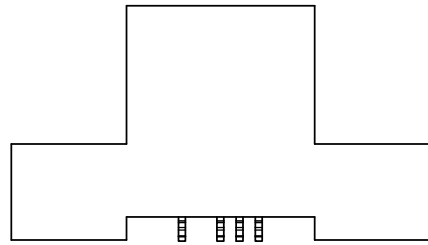
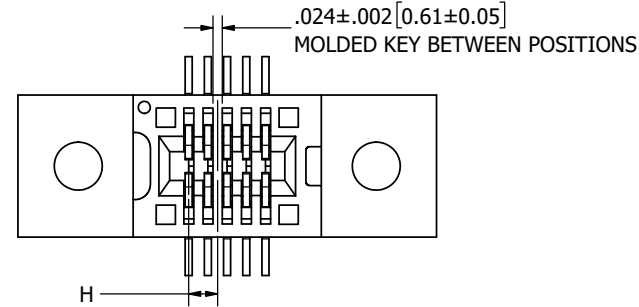
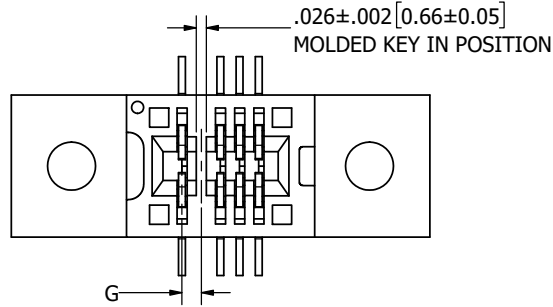
**CUSTOMER COPY**



\_\_B\_\_ DHFN

\_\_B\_\_ DHFT

\_\_B\_\_ DHFR



**MOLDED KEY IN POSITION**  
SCALE 4:1  
(‘D’ MOUNTING AS SHOWN FOR EXAMPLE)

**MOLDED KEY BETWEEN POSITIONS**  
SCALE 4:1  
(‘D’ MOUNTING AS SHOWN FOR EXAMPLE)

**CUSTOMER COPY**



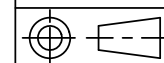
RoHS COMPLIANT

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TOLERANCES:  
ANGULAR: ± 1°  
DECIMALS  
.XX = ± .02 [5]  
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TITLE EDGE CARD, .050 CC, HP			
PART NUMBER __B__ DHF -S			
SIZE C	CAGE CODE 54453	DWG. NO. C10708	REV E
SCALE: 2:1		SHEET 2 OF 3	

