

**PART NUMBER CODING**  
**MC05DRTN-S1682**

**MATERIALS (INSULATOR / CONTACT)**

**F = BROWN PPS / SPINODAL**

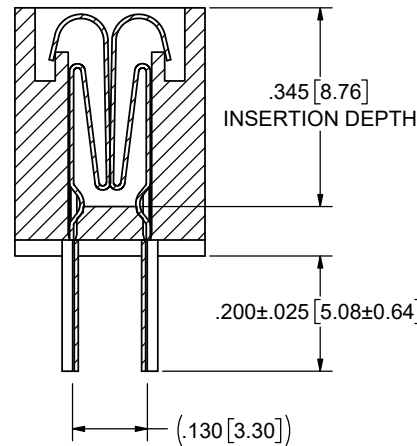
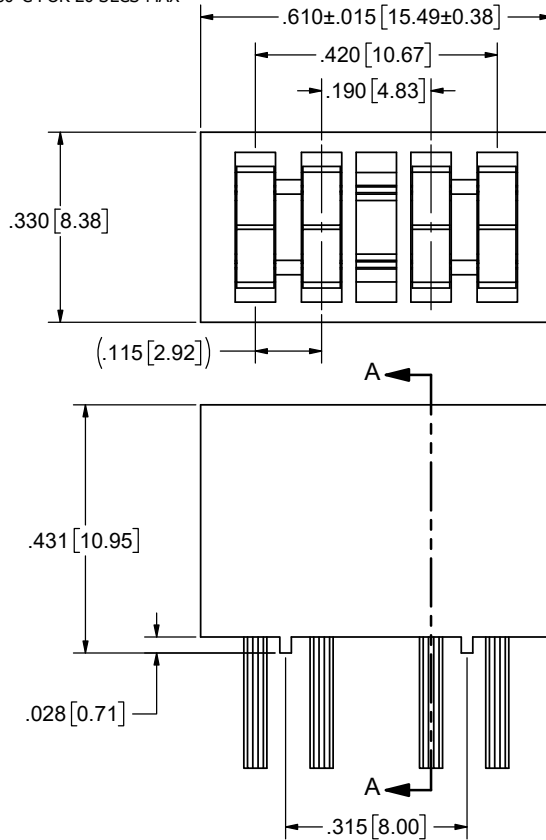
OPERATING TEMP: -65°C TO +200°C

PROCESSING TEMP: 260°C FOR 20 SECS MAX

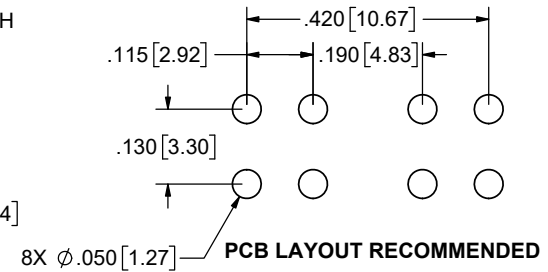
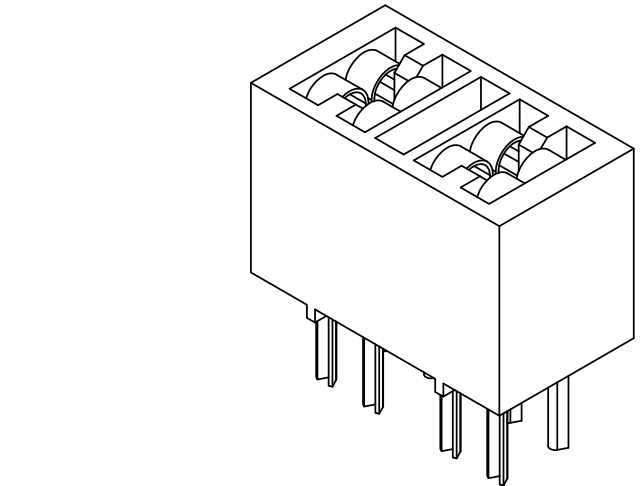
**X = NATURAL BROWN PEEK / SPINODAL**

OPERATING TEMP: -65°C TO +250°C

PROCESSING TEMP: 260°C FOR 20 SECS MAX



SECTION A-A  
SCALE 6 : 1



**NOTES:**

1. INSULATOR MATERIAL: SEE PART NUMBER CODING
2. CONTACT MATERIAL: SEE PART NUMBER CODING
3. PLATING: .000050" MIN NICKEL UNDERPLATE  
CONTACT SURFACE: .000030" GOLD  
TERMINATION: .000010" GOLD OVERALL
4. OPERATING TEMPERATURE: SEE PART NUMBER CODING
5. PROCESSING TEMP: SEE PART NUMBER CODING  
(CONSULT FACTORY FOR SPECIAL SOLDERING REQUIREMENT)
6. UL FLAMMABILITY RATING: 94V-0
7. OPERATING VOLTAGE: 700 VAC
8. CURRENT RATING: 6 AMP PER CONTACT PAIR
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. MODIFICATION: CONTACT CENTERS .095"/.115", OMIT CONTACTS IN CENTER POSITION FOR HIGHER VOLTAGE, SHORTING CONTACTS, .130" ROW SPACING. TRIM TAIL TO .200 ±.025" FROM STANDOFF, .345" INSERTION DEPTH.



RoHS COMPLIANT

REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
B	2779	UPDATE OPERATING VOLTAGE NOTE	5/22/2013	JH
C	2834	ADD 'X' MATERIAL OPTION	8/30/2013	JH
D	4368	UPDATE OPERATING TEMP FOR 'X' MTL FROM 200 C TO 250 C, NOTE 8 (WAS 3A) & NOTE 7 (WAS 1200 VAC)	12/3/2021	JH

**CUSTOMER COPY**

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES (MM)		DRAWN	DATE	NAME		
TOLERANCES: ANGULAR: ± 1° DECIMALS .XX = ± .02 [5] .XXX = ± .005 [13] .XXXX = ± .0005 [013]		2/1/2012	JH	JH		
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<b>PART NUMBER</b> FMC05DRTN-S1682					<b>SIZE</b> C 54453	
<b>SCALE:</b> 6:1					<b>DWG. NO.</b> C12159	
<b>REV</b> D					SHEET 1 OF 1	