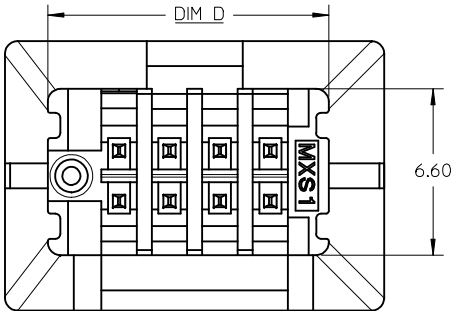


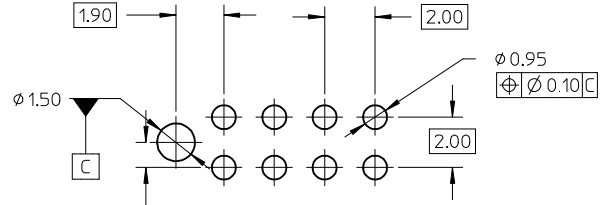
CIRCUIT IDENTIFICATION

DIM E  
(PIN LENGTH - REFER TO PART NUMBER LEGEND)



NOTES:

1. MATERIALS:  
HOUSING: LIQUID CRYSTALLINE POLYMER, GLASSED-FILLED UL 94V-0, BLACK  
TERMINALS: 0.50mm SQ. PHOSPHOR BRONZE
2. FINISHES: SEE PART NUMBER LEGEND
3. PRODUCT SPECIFICATION: PS-151013-0001
4. PACKAGING SPECIFICATION: PK-151013-0001
5. MATES WITH:  
51110-XX50 (4 TO 20 CKTS)  
51110-XX51 (8 TO 12 CKTS ONLY)  
51110-XX52 (4, 6, AND 14 TO 20 CKTS)  
51110-XX60 (4 TO 12 CKTS)
6. PARTS CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002
7. MOLEX LOGO AND CAVITY ID TO BE LOCATED AS SHOWN
8. NON-FUNCTIONAL CORING IS SUBJECTED TO CHANGES WITHOUT NOTICE
9. DATECODE TO BE LOCATED APPROXIMATELY AS SHOWN
10. PLATING ID MARKING FOR DIFFERENT PLATING OPTIONS TO BE LOCATED AFTER DATE CODE AS SHOWN



RECOMMENDED PCB LAYOUT  
GENERAL TOLERANCE ±0.05

REVISED EC NO: S2016-0796 DRWN:GMENARLY 2015/10/29 CHYKDSICHEONG 2016/03/09 APPR:KHLIM 2016/03/14	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\nabla_A = 0$ $\nabla_C = 0$ $\nabla_P = 0$	mm    INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.25 ± --- 1 PLACE ± --- ± --- 0 PLACE ± --- ± ---	MM ONLY	NTS	METRIC	
		ANGULAR ± 3 °	DRAWN BY	DATE	TITLE	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	GMENARLY	2014/05/02	2MM PITCH MILLIGRID BMI VERTICAL HEADER	
A1	REV		CHECKED BY	DATE		
			CGOH	2014/06/24		
			APPROVED BY	DATE		
			KHLIM	2014/06/30		
			MATERIAL NO.	DOCUMENT NO.		
			SEE TABLE	SD-151013-0001		
			SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
			A3			


ASSEMBLY PART NUMBER	CKT SIZE	DIM A	DIM B	DIM C	DIM D	DIM F
151013-XX04	4	4.85	11.05	2.00	7.15	9.25
151013-XX06	6	6.85	13.05	4.00	9.15	11.25
151013-XX08	8	8.85	15.05	6.00	11.15	13.25
151013-XX10	10	10.85	17.05	8.00	13.15	15.25
151013-XX12	12	12.85	19.05	10.00	15.15	17.25
151013-XX14	14	14.85	21.05	12.00	17.15	19.25
151013-XX16	16	16.85	23.05	14.00	19.15	21.25
151013-XX18	18	18.85	25.05	16.00	21.15	23.25
151013-XX20	20	20.85	27.05	18.00	23.15	25.25

PART NUMBER LEGEND

151013-XXXX

PLATING OPTIONS:

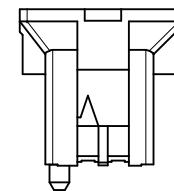
CIRCUIT SIZE

PLATING THICKNESS	PLATING ID MARK 
2: 0.76µm MIN. GOLD ON CONTACT, 1.27µm MATTE TIN ON SOLDER TAIL OVER 1.27µm MIN. NICKEL UNDERPLATE OVERALL	
3: 0.38µm MIN. GOLD ON CONTACT, 1.27µm MATTE TIN ON SOLDER TAIL OVER 1.27µm MIN. NICKEL UNDERPLATE OVERALL	/
4: 0.05µm MIN. GOLD FLASH ON CONTACT, 1.27µm MATTE TIN ON SOLDER TAIL OVER 1.27µm MIN. NICKEL UNDERPLATE OVERALL	<

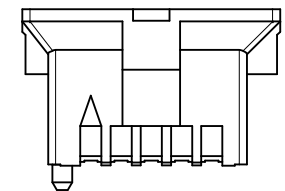
DIM E - PIN LENGTHS:

- 0: 2.60MM
- 1: 4.00MM
- 2: 3.00MM
- 3: 3.50MM
- 4: 4.50MM
- 5: 2.10MM

CIRCUIT IDENTIFICATION ON HOUSING



FOR 4 & 6 CIRCUITS



FOR 8 TO 20 CIRCUITS

REVISED EC NO: S2016-0796 DRWN:GMENARLY 2015/10/29 CHK'D:SCHEONG 2016/03/09 APPR:KHLIM 2016/03/14	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																														
	$F_A=0$ $F_G=0$ $F_P=0$	<table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.25</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>0 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.25	± ---	1 PLACE	± ---	± ---	0 PLACE	± ---	± ---	<table border="1"> <thead> <tr> <th>DRAWN BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>GMENARLY</td> <td>2014/05/02</td> </tr> <tr> <th>CHECKED BY</th> <th>DATE</th> </tr> <tr> <td>CGOH</td> <td>2014/06/24</td> </tr> <tr> <th>APPROVED BY</th> <th>DATE</th> </tr> <tr> <td>KHLIM</td> <td>2014/06/30</td> </tr> </tbody> </table>	DRAWN BY	DATE	GMENARLY	2014/05/02	CHECKED BY	DATE	CGOH	2014/06/24	APPROVED BY	DATE	KHLIM	2014/06/30	TITLE	2MM PITCH MILLIGRID BMI VERTICAL HEADER	
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