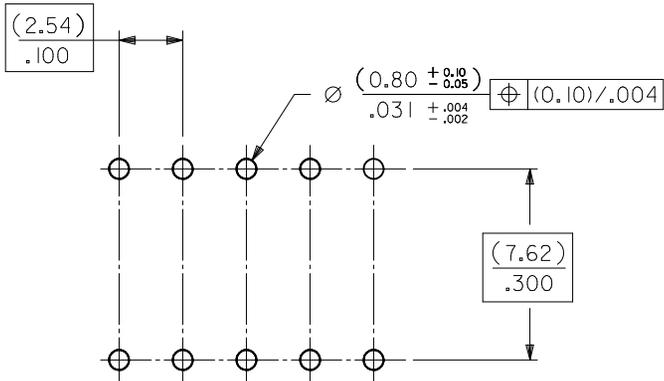
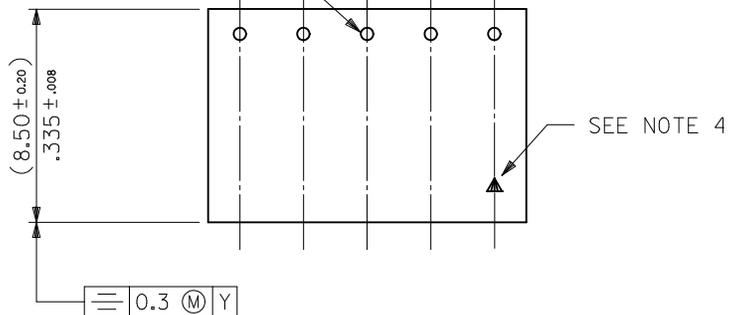


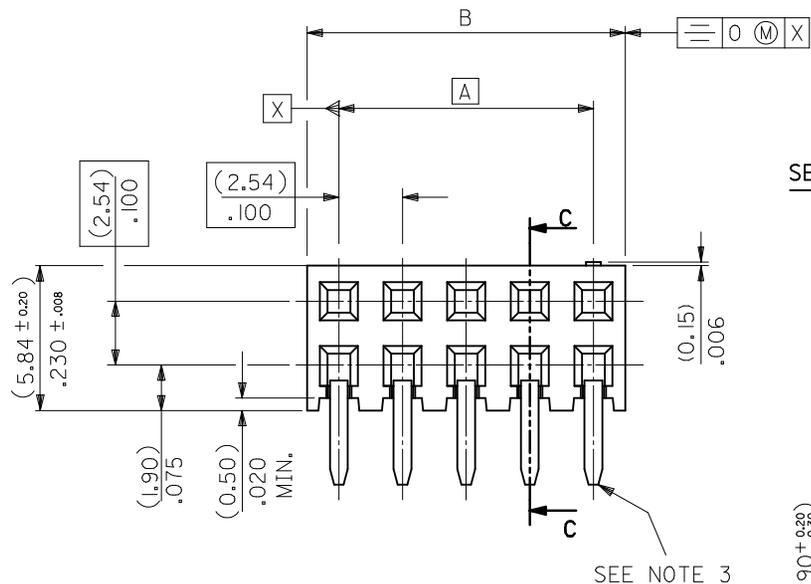
TERMINAL RETENTION FEATURE



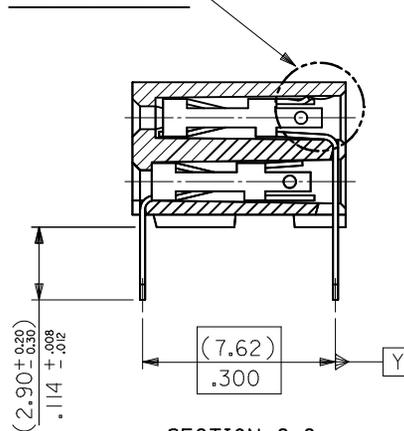
RECOMMENDED P.C. BOARD HOLE PATTERN

NOTES

- 1) CONTACT-PLATED PHOSPHOR BRONZE.
- 2) HOUSING-15% GLASS FILLED POLYESTER. COLOUR-BLACK.
- 3) COMPATABLE WITH PCB HOLE PATTERN.
- 4) THIS MARK INDICATES CIRCUIT NO.1.
- 5) FOR $(0.635) \pm .025$ SQ. MALE PINS THE LENGTH MUST BE $(5.65) \pm .222$ MIN & $(7.00) \pm .276$ MAX. TO ENSURE GOOD CONNECTION WITH CONTACT.
- 6) PRODUCT SPECIFICATION: PS-99020-0001
- 7) RECOMMENDED PCB THICKNESS 1.6MM

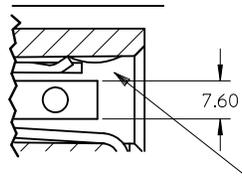


SEE DETAIL "A"



SECTION C-C

DETAIL "A"



TERMINAL RETENTION FEATURE

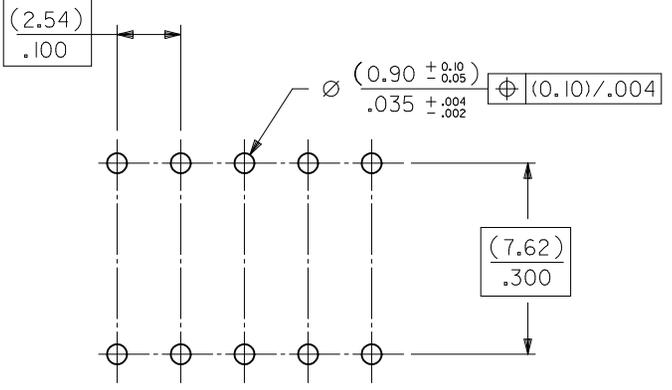
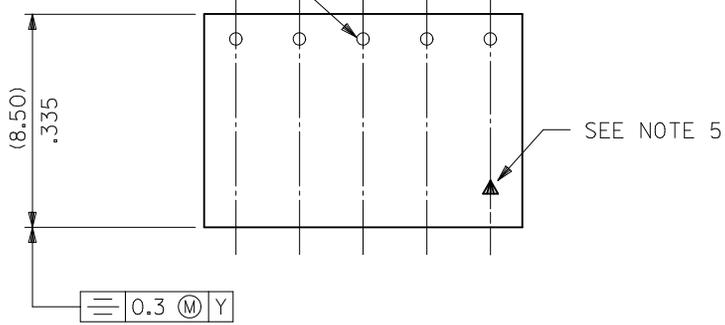
SHT385. UPDATE SEC C-C EC NO: S2011-1033 DR:WATSEE 2011/06/06 CHK:D:SKANG 2011/06/21 APPR:MLONG 2011/06/21	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	$F_{\Delta} = 0$	mm	INCH	MM ONLY		NTS	METRIC	C-GRID PCB CONN DR HORZ	
	$F_{\square} = 0$	4 PLACES ± ---	± ---	DRAWN BY	DATE	TITLE			
	$F_{\circ} = 0$	3 PLACES ± ---	± ---	DB	1987/07/14	MATERIAL NO. SDA-90152			
$F_{\nabla} = 0$	2 PLACES ± 0.20	± .008	CHECKED BY	DATE	DOCUMENT NO.				
	1 PLACE ± ---	± ---	DB	1987/07/14	SHEET NO. 1 OF 5				
	ANGULAR ± 2 °		APPROVED BY	DATE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MLONG	2010/01/14					
REV	SIZE	SEE TABLE							
	A3								

10	9	8	7	6	5	4	3	2	1
PART NO.	CKT	DIM. A		DIM. B ^(+0.00) _(-0.30) ^{+0.00} _{-0.12}		PCS/ TUBE			
90152-XX04	4	(2.54)	.100	(5.08)	.200	109	PLATING VERSION A		
06	6	(5.08)	.200	(7.62)	.300	73	PRE-PLATED HOT DIP TIN 1.0 TO 2.5 microns (.00004" TO .00010").		
08	8	(7.62)	.300	(10.16)	.400	55	PLATING VERSION E		
10	10	(10.16)	.400	(12.70)	.500	44	1.27 TO 1.78 microns (.00005" TO .00007") NICKEL OVERALL, 0.38 TO 0.64 microns (.000015" TO .000025") GOLD ON CONTACT AREA (OVER NICKEL). 3 TO 5 microns (.00012" TO .00020") TIN ON SOLDER TAILS (OVER NICKEL).		
12	12	(12.70)	.500	(15.24)	.600	36	PLATING VERSION F		
14	14	(15.24)	.600	(17.78)	.700	31	1.27 TO 1.78 microns (.00005" TO .00007") NICKEL OVERALL, 0.76 TO 1.0 microns (.00003" TO .00004") GOLD ON CONTACT AREA (OVER NICKEL). 3 TO 5 microns (.00012" TO .00020") TIN ON SOLDER TAILS (OVER NICKEL).		
16	16	(17.78)	.700	(20.32)	.800	27	PLATING VERSION G		
18	18	(20.32)	.800	(22.86)	.900	24	1.27 TO 1.78 microns (.00005" TO .00007") NICKEL OVERALL, 0.125 TO 0.20 microns (.000005" TO .0000079") GOLD ON CONTACT AREA (OVER NICKEL). 3 TO 5 microns (.00012" TO .00020") TIN ON SOLDER TAILS (OVER NICKEL).		
20	20	(22.86)	.900	(25.40)	1.000	22	90152 - X X Y Y INDICATES NO. OF CIRCUITS PLATING CODE. 21 = VERSION A 22 = VERSION E 23 = VERSION F 25 = VERSION G		
22	22					20			
24	24	(27.94)	1.100	(30.48)	1.200	18			
26	26	(30.48)	1.200	(33.02)	1.300	16			
28	28					14			
30	30	(35.56)	1.400	(38.10)	1.500	14			
32	32					13			
34	34	(40.64)	1.600	(43.18)	1.700	12			
36	36	(43.18)	1.700	(45.72)	1.800	12			
38	38	(45.72)	1.800	(48.26)	1.900	11			
40	40	(48.26)	1.900	(50.80)	2.000	11			
42	42					10			
44	44	(53.34)	2.100	(55.88)	2.200	10			
46	46					10			
48	48					9			
50	50	(60.96)	2.400	(63.50)	2.500	8			
52	52					8			
54	54					8			
56	56	(68.58)	2.700	(71.12)	2.800	7			
58	58					7			
60	60	(73.66)	2.900	(76.20)	3.000	7			
62	62					6			
90152-XX64	64	(78.74)	3.100	(81.28)	3.200	5			

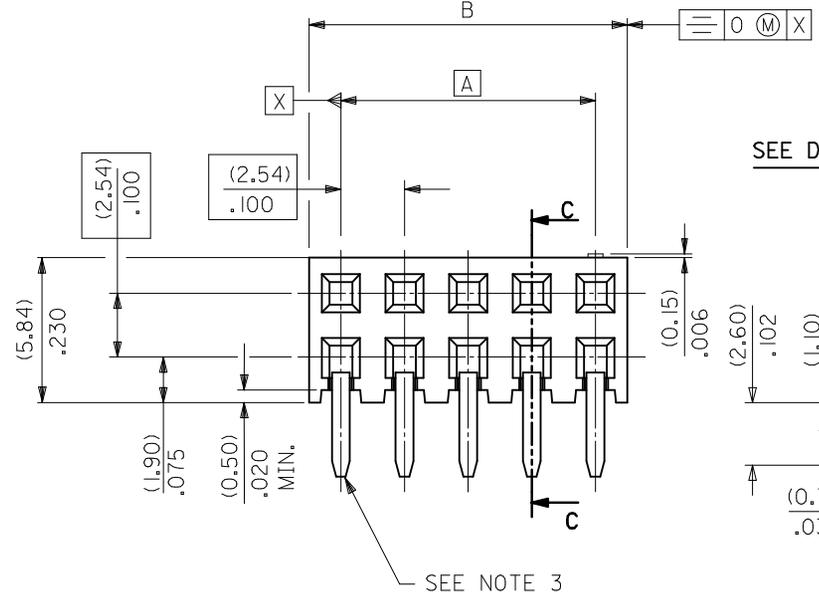
STANDARD PRODUCTS

SHT385. UPDATE SEC C-C EC NO: S2011-1033 DRW:ATSEE 2011/06/06 CHKD:SKANG 2011/06/21 APPR:MLONG 2011/06/21	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$F_A=0$	mm	INCH	MM ONLY	NTS	METRIC	
	$F_C=0$	4 PLACES ± ---	± ---	DRAWN BY	DATE	TITLE	
	$F_P=0$	3 PLACES ± ---	± ---	DB	1987/07/14	C-GRID PCB CONN DR HORZ	
	2 PLACES ± 0.20	± .008	CHECKED BY	DATE			
	1 PLACE ± ---	± ---	DB	1987/07/14			
	ANGULAR ± 2 °		APPROVED BY	DATE	MOLEX MOLEX INCORPORATED		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MLONG	2010/01/14	MATERIAL NO.	DOCUMENT NO.	SHEET NO.
			SEE TABLE		SDA-90152		2 OF 5
			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

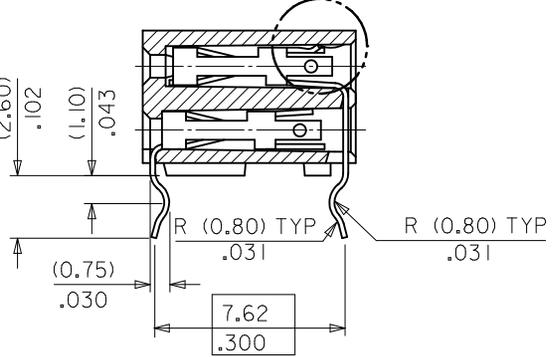
TERMINAL RETENTION FEATURE



RECOMMENDED P.C. BOARD HOLE PATTERN



SEE DETAIL "A"

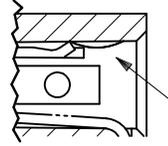


SECTION C-C

NOTES

- 1) CONTACT-PLATED PHOSPHOR BRONZE.
- 2) HOUSING-15% GLASS FILLED POLYESTER. COLOUR-BLACK.
- 3) COMPATIBLE WITH PCB HOLE PATTERN.
- 4) RECOMMENDED PC BOARD THICKNESS (1.4 ± .2) / .055 ± .008
- 5) THIS MARK INDICATES CIRCUIT NO.1.
- 6) FOR (0.635) / .025 SQ. MALE PINS THE LENGTH MUST BE (5.65) / .222 MIN & (7.00) / .276 MAX. TO ENSURE GOOD CONNECTION WITH CONTACT.

DETAIL "A"

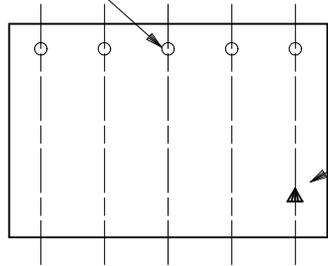


TERMINAL RETENTION FEATURE

SHT385. UPDATE SEC C-C EC NO: S2011-1033 DR:WATSEE 2011/06/06 CHKD:SKANG 2011/06/21 APPR:MLONG 2011/06/21	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$F_{A/0}$ $F_{C/0}$ $F_{P/0}$	mm	INCH	MM ONLY	NTS	METRIC	
		4 PLACES ± ---	± ---	DRAWN BY	DATE	TITLE	
		3 PLACES ± ---	± ---	CHECKED BY	DATE	C-GRID PCB CONN DR HORZ	
	2 PLACES ± 0.20	± .008	APPROVED BY	DATE	MOLEX INCORPORATED		
	1 PLACE ± ---	± ---	MLONG	2010/01/14	DOCUMENT NO.		
	ANGULAR ± 2 °		MATERIAL NO.		SDA-90152		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SHEET NO.		
			SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

PART NUMBER	CKT. SIZE	PIN VOID	KINKED PINS	NO. PER TUBE
90152-6234	2 X 17	21	NONE	12
90152-5242	2 X 21	5	NONE	10
90152-7130	2 X 15	NONE	1,2 & 29,30	14

TERMINAL RETENTION FEATURE



SEE NOTE 2.

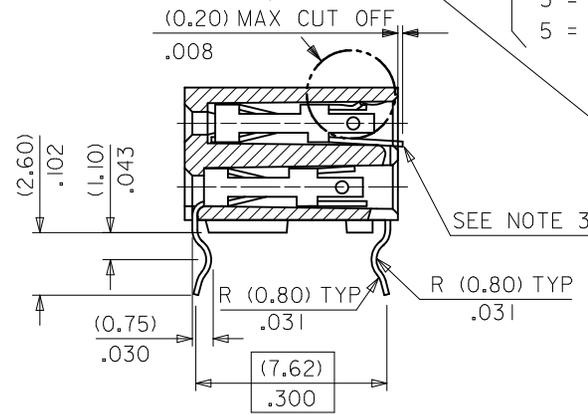
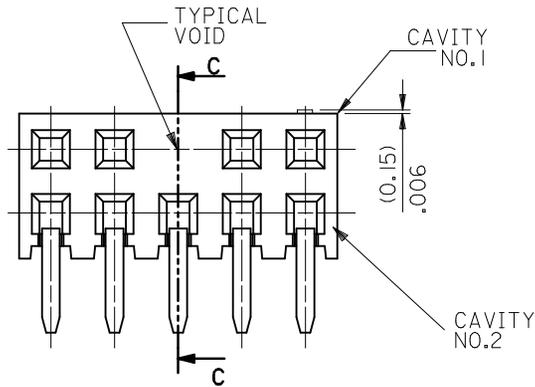
NOTES

- 1) FOR DIMENSIONS SEE SHEET 1.
- 2) THIS MARK INDICATES CIRCUIT NO.1.
- 3) SOLDER TAIL OF TERMINAL IN VOIDED CAVITY MUST BE CROPPED AS SHOWN OR TERMINAL REMOVED.

90152-XXYY

- INDICATES NO. OF CIRCUITS.
- PLATING CODE.
- 1 = VERSION A.
- 2 = VERSION E.
- 3 = VERSION F.
- 5 = VERSION G.

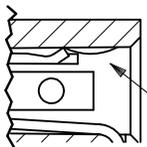
SEE DETAIL "A"



- OPTIONS
- 2 = REGULAR
- 3 = KINKED
- 5 = VOIDS
- 6 = KINKS & VOIDS
- 7 = SELECTIVE KINKS

SECTION C-C

DETAIL "A"



TERMINAL RETENTION FEATURE

SHT385. UPDATE SEC C-C EC NO: S2011-1033 DR:WATSEE 2011/06/06 CHKD:SKANG 2011/06/21 APPR:MLONG 2011/06/21	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
		$F_A=0$ $F_C=0$ $F_P=0$	mm	INCH	MM ONLY	NTS	METRIC		
			4 PLACES	± --- ± ---	DRAWN BY	DATE	TITLE		
			3 PLACES	± --- ± ---	CHECKED BY	DATE	C-GRID PCB CONN DR HORZ		
			2 PLACES	± 0.20 ± .008	APPROVED BY	DATE	MOLEX INCORPORATED		
			1 PLACE	± --- ± ---	MLONG	2010/01/14	DOCUMENT NO. SDA-90152		
			ANGULAR ± 2 °		MATERIAL NO.	SHEET NO. 5 OF 5			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
					A3				