

F

E

D

C

B

A

F

E

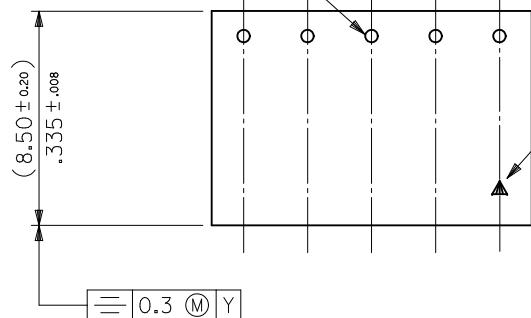
D

C

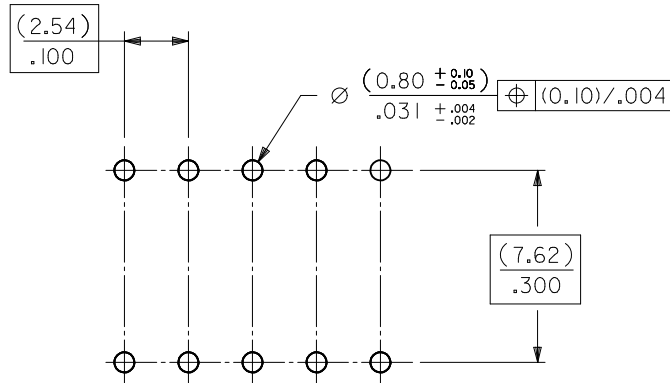
B

A

TERMINAL RETENTION FEATURE



SEE NOTE 4

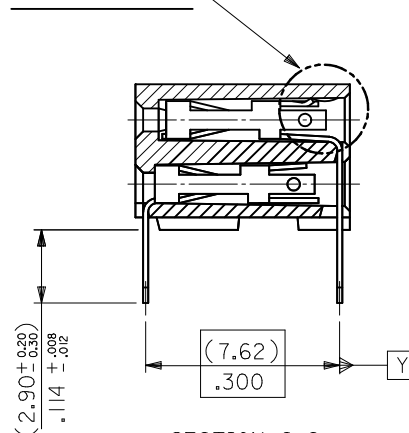


RECOMMENDED P.C. BOARD
HOLE PATTERN

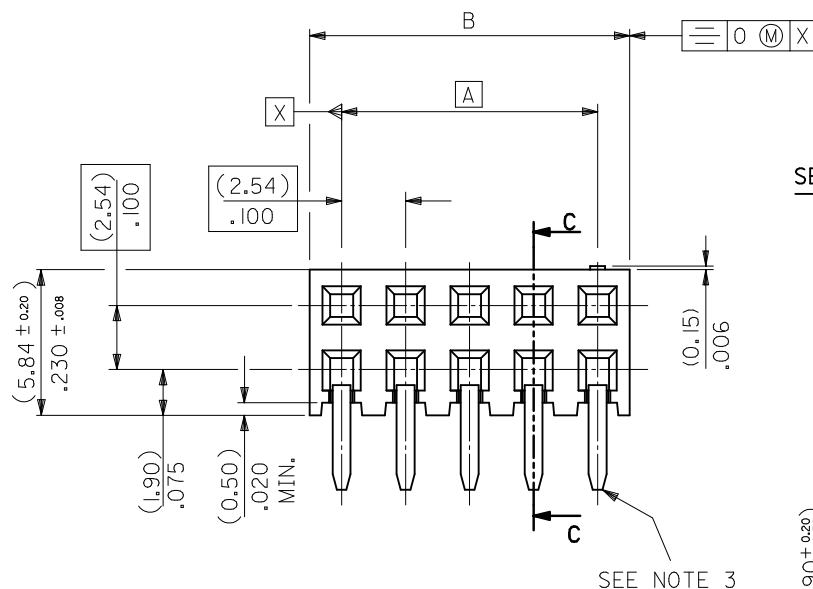
NOTES

- 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)/.025 SQ. MALE PINS THE LENGTH MUST BE (5.65)/.222 MIN & (7.00)/.276 MAX. TO ENSURE GOOD CONNECTION WITH CONTACT.
- 6) PRODUCT SPECIFICATION: PS-99020-0001
- 7) RECOMMENDED PCB THICKNESS 1.6MM

SEE DETAIL "A"

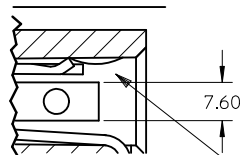


SECTION C-C



SEE NOTE 3

DETAIL "A"



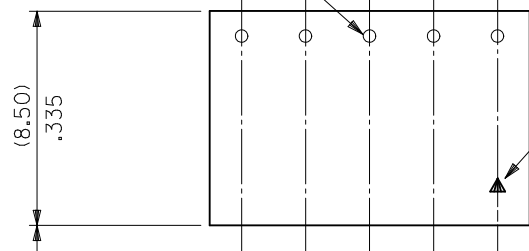
TERMINAL RETENTION FEATURE

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

	10		9		8		7		6		5		4		3		2		1
F	PART NO.	CKT	DIM. A		DIM. B (+0.00 -0.30 +0.00 -0.12)		PCS/ TUBE	PLATING VERSION A PRE-PLATED HOT DIP TIN 1.0 TO 2.5 microns (.00004" TO .00010").											
	90152-XX04	4	(2.54) .100		(5.08) .200		109												
	06	6	(5.08) .200		(7.62) .300		73												
	08	8	(7.62) .300		(10.16) .400		55												
	10	10	(10.16) .400		(12.70) .500		44												
	12	12	(12.70) .500		(15.24) .600		36												
	14	14	(15.24) .600		(17.78) .700		31												
	16	16	(17.78) .700		(20.32) .800		27												
	18	18	(20.32) .800		(22.86) .900		24												
	20	20	(22.86) .900		(25.40) 1.000		22												
E	22	22					20	PLATING VERSION E 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).											
	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												
D	30	30	(35.56) 1.400		(38.10) 1.500		14	PLATING VERSION F 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).											
	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												
C	50	50	(60.96) 2.400		(63.50) 2.500		8	PLATING VERSION G 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).											
	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												
B	62	62					6												
	90152-XX64	64	(78.74) 3.100		(81.28) 3.200		5	90152 - X X Y Y INDICATES NO. OF CIRCUITS PLATING CODE. 21 = VERSION A 22 = VERSION E 23 = VERSION F 25 = VERSION G											
A	STANDARD PRODUCTS							SHT385, UPDATE SEC C-C EC NO: S2011-1033 DRWN:ATSE 2011/06/06 CHKD:SKANG 2011/06/21 APPR:MLONG 2011/06/21 REV DESCRIPTION QUALITY SYMBOLS GENERAL TOLERANCES (UNLESS SPECIFIED) DIMENSION STYLE SCALE DESIGN UNITS THIRD ANGLE PROJECTION C-GRID PCB CONN DR HORZ MOLEX MOLEX INCORPORATED SDA-90152 SHEET NO. 2 OF 5 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
	tb_frame_A3_P_AM_T Rev. F 2009/06/18																		
	9		8		7		6		5		4		3		2		1		

10 9 8 7 6 5 4 3 2 1

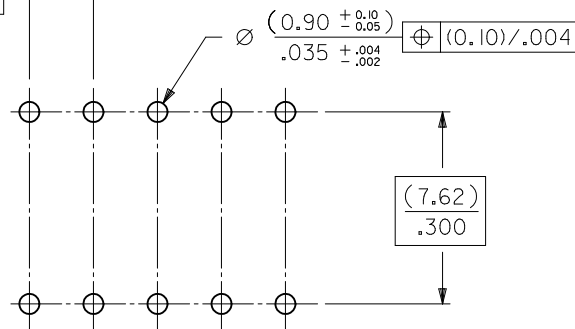
TERMINAL RETENTION FEATURE



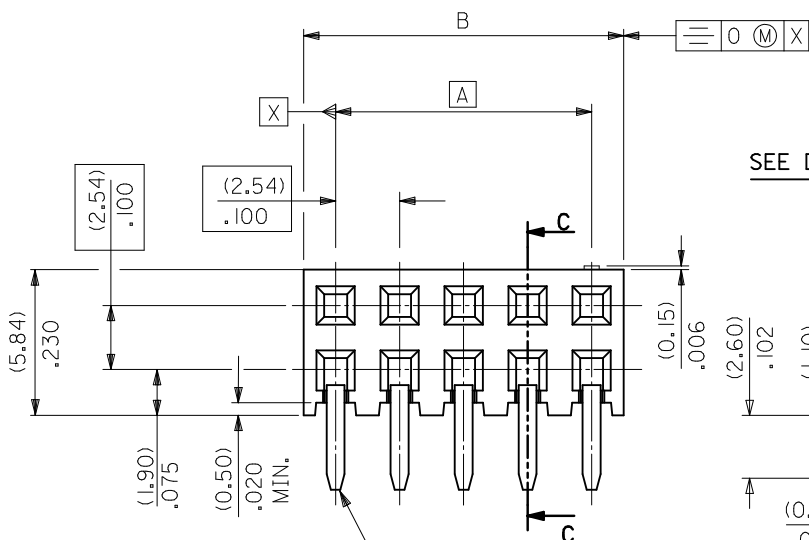
0.3 (M) Y

SEE NOTE 5

(2.54)
.100

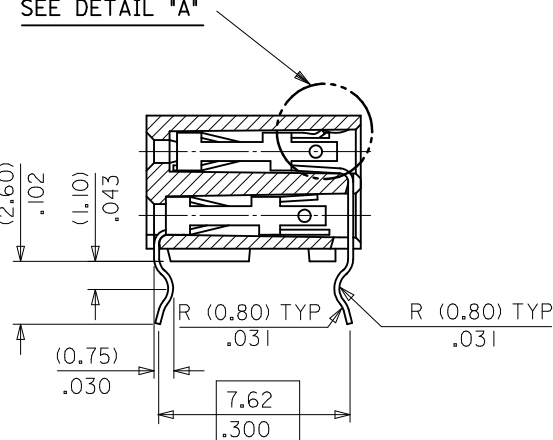


RECOMMENDED P.C. BOARD
HOLE PATTERN



SEE NOTE 3

SEE DETAIL "A"

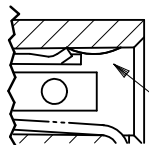


SECTION C-C

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

	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														
F	90152-XX04	4	(2.54)	.100	(5.08)	.200	109	PLATING VERSION A PRE-PLATED HOT DIP TIN 1.0 TO 2.5 microns (.00004" TO .00010").												F	
	06	6	(5.08)	.200	(7.62)	.300	73														
	08	8	(7.62)	.300	(10.16)	.400	55														
	10	10	(10.16)	.400	(12.70)	.500	44														
	12	12	(12.70)	.500	(15.24)	.600	36														
E	14	14	(15.24)	.600	(17.78)	.700	31	PLATING VERSION E 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).												E	
	16	16	(17.78)	.700	(20.32)	.800	27														
	18	18	(20.32)	.800	(22.86)	.900	24														
	20	20	(22.86)	.900	(25.40)	1.000	22														
	22	22					20														
D	24	24	(27.94)	1.100	(30.48)	1.200	18	PLATING VERSION F. 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).												D	
	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														
C	44	44	(53.34)	2.100	(55.88)	2.200	10	PLATING VERSION G. 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).												C	
	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														
B	60	60	(73.66)	2.900	(76.20)	3.000	7	90152-XXXX </													

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

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.

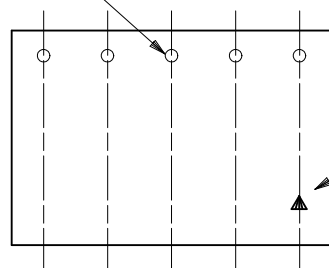
PLATING CODE.

- 1 = VERSION A.
- 2 = VERSION E.
- 3 = VERSION F.
- 5 = VERSION G.

OPTIONS

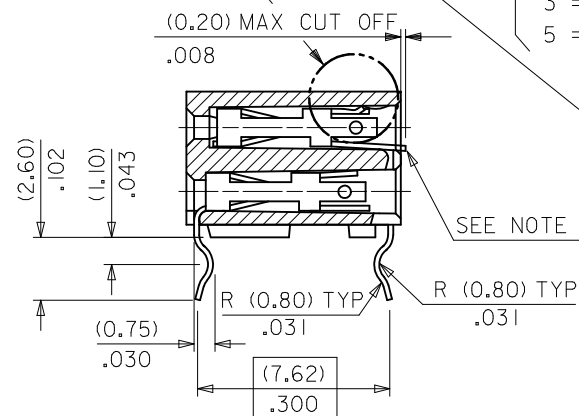
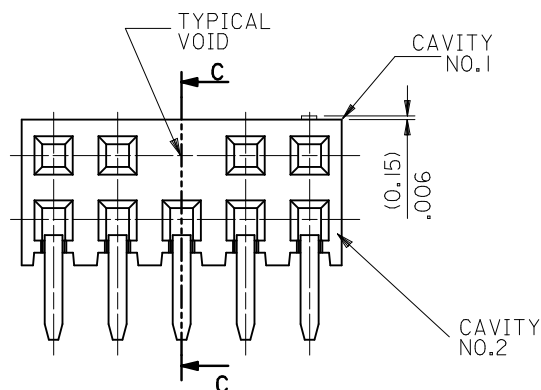
- 2 = REGULAR
- 3 = KINKED
- 5 = VOIDS
- 6 = KINKS & VOIDS
- 7 = SELECTIVE KINKS

TERMINAL RETENTION FEATURE



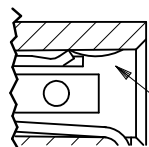
SEE NOTE 2.

SEE DETAIL "A"



SECTION C-C

DETAIL "A"



TERMINAL RETENTION FEATURE

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