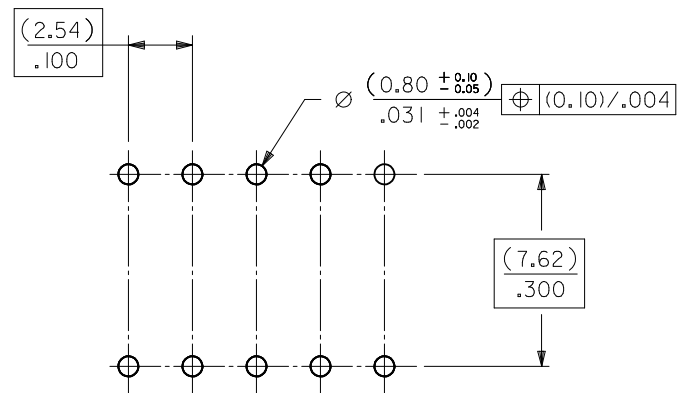
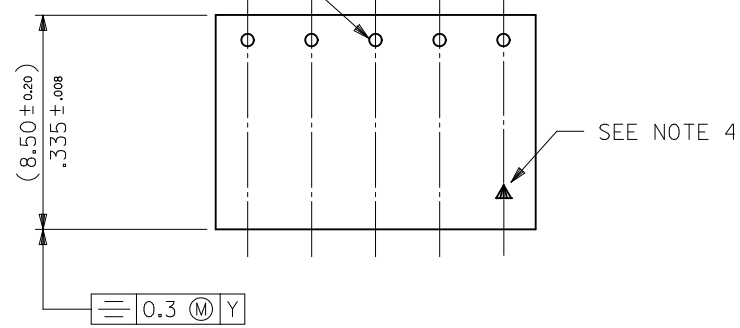


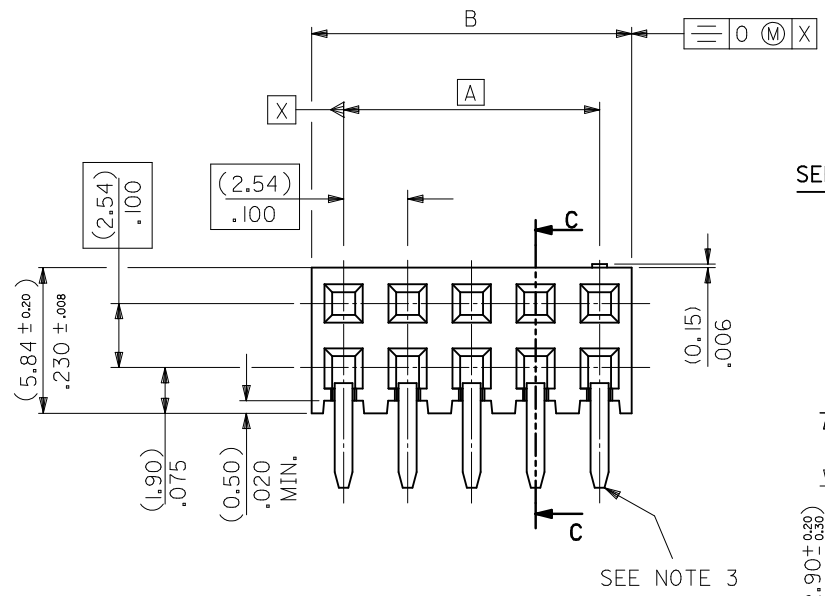
TERMINAL RETENTION FEATURE



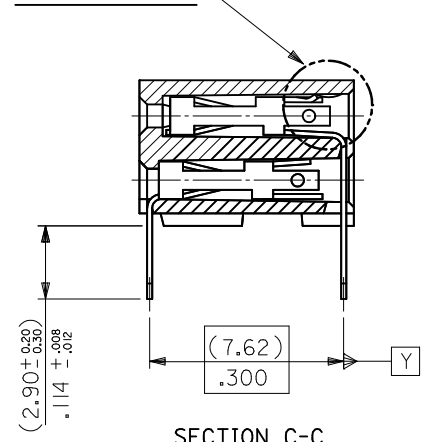
RECOMMENDED P.C. BOARD HOLE PATTERN

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 $(0.635) \text{ .025}$ SQ. MALE PINS THE LENGTH MUST BE $(5.65) \text{ .222}$ MIN & $(7.00) \text{ .276}$ MAX. TO ENSURE GOOD CONNECTION WITH CONTACT.
- 6) PRODUCT SPECIFICATION: PS-99020-0001
- 7) RECOMMENDED PCB THICKNESS 1.6MM

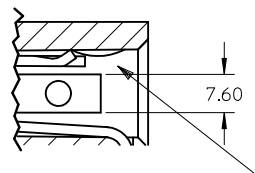


SEE DETAIL "A"



SECTION C-C

DETAIL "A"



TERMINAL RETENTION FEATURE

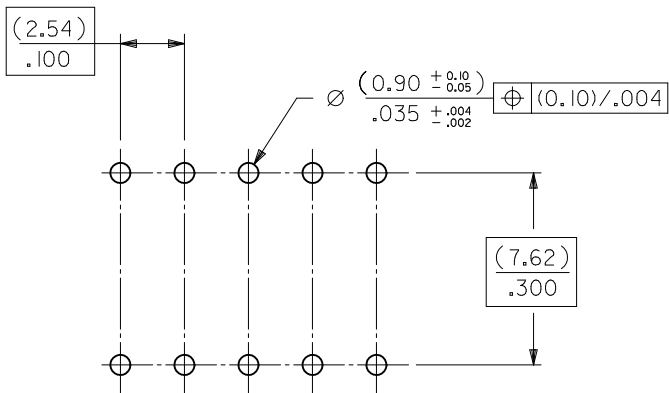
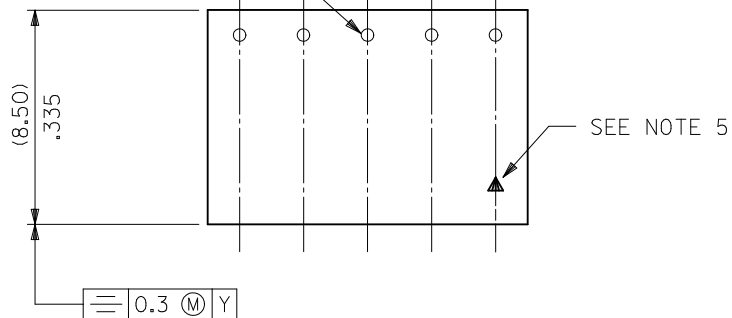
<p>SHT385. UPDATE SEC C-C EC NO: S2011-1033 DR:WATSEE 2011/06/06 CHKD:SKANG 2011/06/21 APPR:MLONG 2011/06/21</p>	<p>QUALITY SYMBOLS</p> <p>$\nabla_{\text{A}} = 0$</p> <p>$\nabla_{\text{C}} = 0$</p> <p>$\nabla_{\text{P}} = 0$</p>	<p>GENERAL TOLERANCES (UNLESS SPECIFIED)</p> <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>$\pm \text{---}$</td> <td>$\pm \text{---}$</td> </tr> <tr> <td>3 PLACES</td> <td>$\pm \text{---}$</td> <td>$\pm \text{---}$</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.20</td> <td>$\pm .008$</td> </tr> <tr> <td>1 PLACE</td> <td>$\pm \text{---}$</td> <td>$\pm \text{---}$</td> </tr> </tbody> </table> <p>ANGULAR $\pm 2^\circ$</p>		mm	INCH	4 PLACES	$\pm \text{---}$	$\pm \text{---}$	3 PLACES	$\pm \text{---}$	$\pm \text{---}$	2 PLACES	± 0.20	$\pm .008$	1 PLACE	$\pm \text{---}$	$\pm \text{---}$	<p>DIMENSION STYLE</p> <p>MM ONLY</p> <p>DRAWN BY: DB DATE: 1987/07/14</p> <p>CHECKED BY: DB DATE: 1987/07/14</p> <p>APPROVED BY: MLONG DATE: 2010/01/14</p>	<p>SCALE</p> <p>NTS</p> <p>DESIGN UNITS</p> <p>METRIC</p> <p>THIRD ANGLE PROJECTION</p>	<p>TITLE</p> <p>C-GRID PCB CONN DR HORZ</p>
		mm	INCH																	
	4 PLACES	$\pm \text{---}$	$\pm \text{---}$																	
	3 PLACES	$\pm \text{---}$	$\pm \text{---}$																	
2 PLACES	± 0.20	$\pm .008$																		
1 PLACE	$\pm \text{---}$	$\pm \text{---}$																		
		<p>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</p>	<p>MATERIAL NO.</p> <p>SEE TABLE</p>	<p>MATERIAL NO.</p> <p>MOLEX INCORPORATED</p>	<p>SHEET NO.</p> <p>1 OF 5</p>															
			<p>SIZE</p> <p>A3</p>	<p>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</p>																

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		
22	22					20	INDICATES NO. OF CIRCUITS		
24	24	(27.94)	1.100	(30.48)	1.200	18	PLATING CODE. 21 = VERSION A 22 = VERSION E 23 = VERSION F 25 = VERSION G		
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			

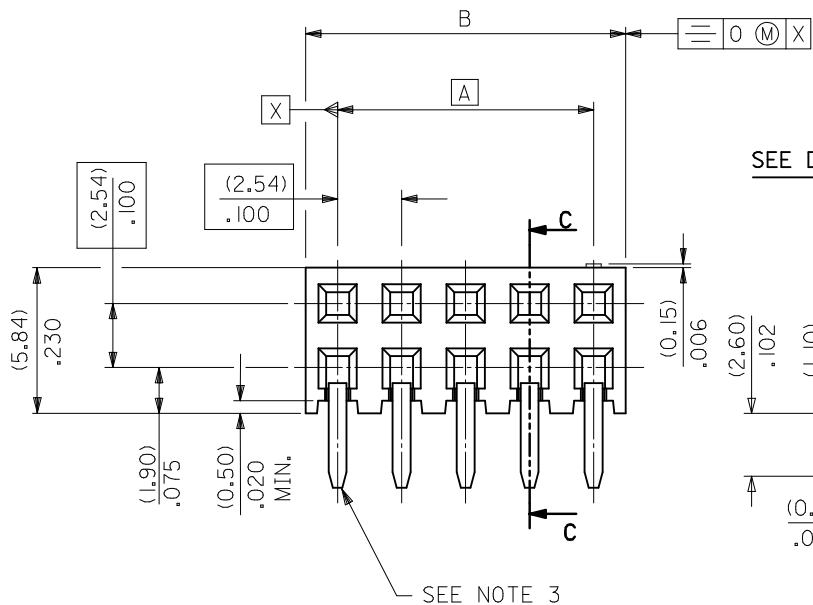
STANDARD PRODUCTS

SHT385. UPDATE SEC C-C EC NO: S2011-1033 DRWN: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	
	$F_A=0$ $F_C=0$ $F_P=0$	mm INCH	MM ONLY	NTS	METRIC		
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.20 ± .008 1 PLACE ± --- ± ---	DRAWN BY DATE DB 1987/07/14	TITLE C-GRID PCB CONN DR HORZ			
		ANGULAR ± 2 °	CHECKED BY DATE DB 1987/07/14	APPROVED BY DATE MLONG 2010/01/14			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE	MATERIAL NO.	DOCUMENT NO.			
			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

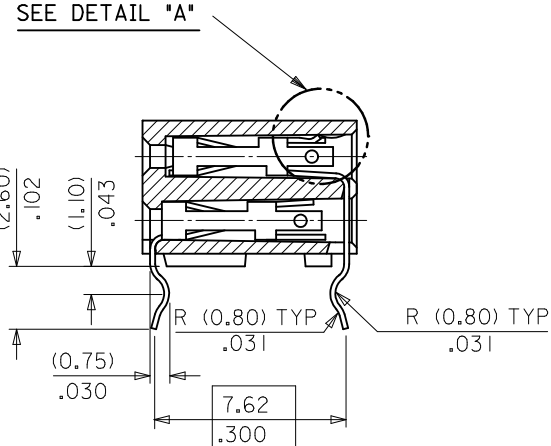
TERMINAL RETENTION FEATURE



RECOMMENDED P.C. BOARD HOLE PATTERN



SEE DETAIL "A"

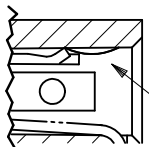


SECTION C-C

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 ± 0.08
- 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 $F_{A'}=0$ $F_{C'}=0$ $F_{P'}=0$	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.20 ± .008 1 PLACE ± --- ± --- ANGULAR ± 2°	DIMENSION STYLE MM ONLY DRAWN BY DATE DB 1987/07/14 CHECKED BY DATE DB 1987/07/14 APPROVED BY DATE MLONG 2010/01/14	SCALE NTS TITLE C-GRID PCB CONN DR HORZ	DESIGN UNITS METRIC THIRD ANGLE PROJECTION
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE TABLE	MOLEX INCORPORATED DOCUMENT NO. SDA-90152	SHEET NO. 3 OF 5	
	SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
	REV	SHT385. UPDATE SEC C-C			

	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			
	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			
E	20	20	(22.86)	.900	(25.40)	1.000	22			
	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			
D	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			
C	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			
B	90152-XX64	64	(78.74)	3.100	(81.28)	3.200	5			

PLATING VERSION A

PRE-PLATED HOT DIP TIN
1.0 TO 2.5 microns (.00004" TO .00010").

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).

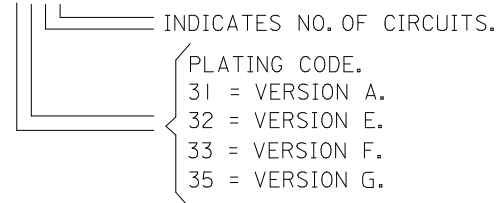
PLATING VERSION F.

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).

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).

90152-XXYY

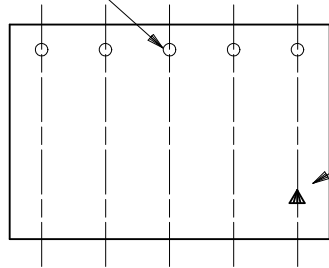


A	SHT385. UPDATE SEC C-C	2011/06/06	2011/06/21	2011/06/21
	EC NO: S2011-1033	DRWINATSEE	CHYKDSKANG	APPR:MLONG
	REV	DESCRIPTION		

QUALITY SYMBOLS	$F_A=0$	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$F_C=0$		MM ONLY	NTS	METRIC		
	$F_P=0$		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	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE		MATERIAL NO.	DOCUMENT 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.

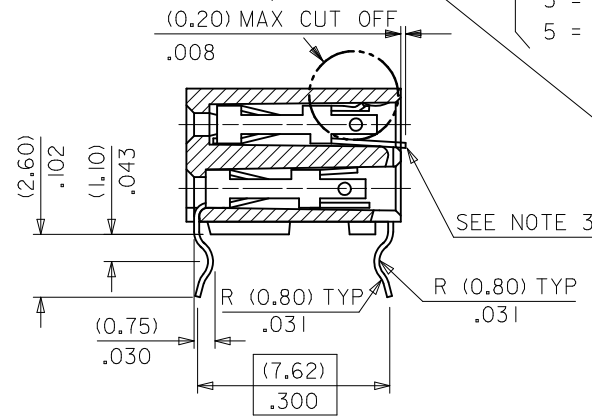
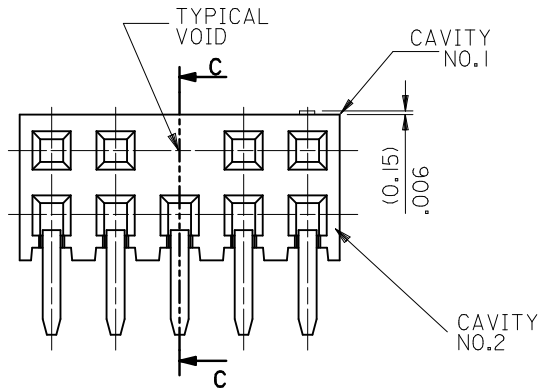
NOTES

- 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"

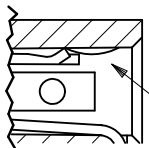


- OPTIONS
- 2 = REGULAR
- 3 = KINKED
- 5 = VOIDS
- 6 = KINKS & VOIDS
- 7 = SELECTIVE KINKS

SEE NOTE 3

SECTION C-C

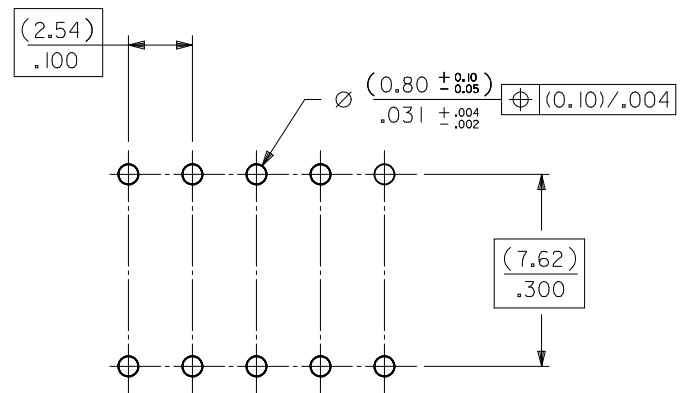
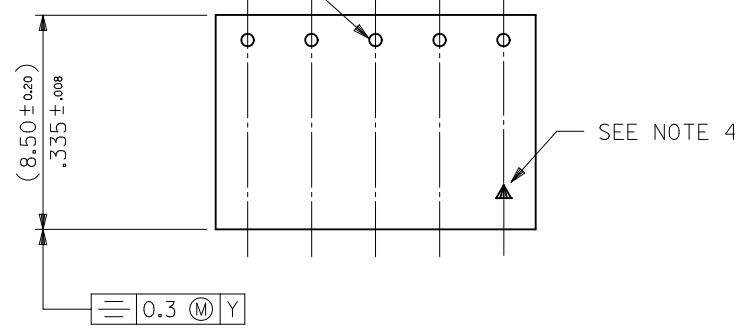
DETAIL "A"



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 $F_A=0$ $F_C=0$ $F_P=0$	GENERAL TOLERANCES (UNLESS SPECIFIED) <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>± 0.20</td> <td>± .008</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.20	± .008	1 PLACE	± ---	± ---	DIMENSION STYLE MM ONLY DRAWN BY: DB DATE: 1987/07/14 CHECKED BY: DB DATE: 1987/07/14 APPROVED BY: MLONG DATE: 2010/01/14	SCALE NTS TITLE C-GRID PCB CONN DR HORZ	DESIGN UNITS METRIC THIRD ANGLE PROJECTION
		mm	INCH																	
	4 PLACES	± ---	± ---																	
	3 PLACES	± ---	± ---																	
2 PLACES	± 0.20	± .008																		
1 PLACE	± ---	± ---																		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE TABLE	MOLEX INCORPORATED DOCUMENT NO. SDA-90152	SHEET NO. 5 OF 5																	
SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			

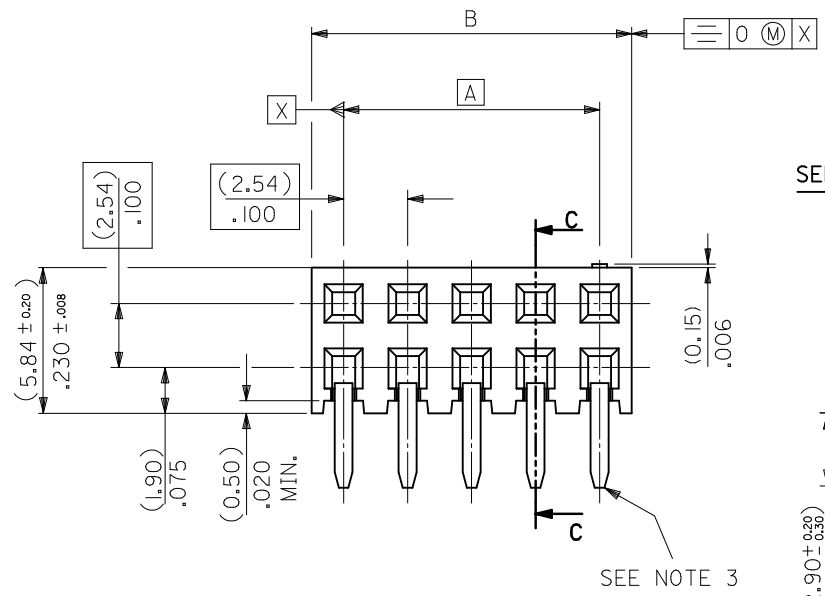
TERMINAL RETENTION FEATURE



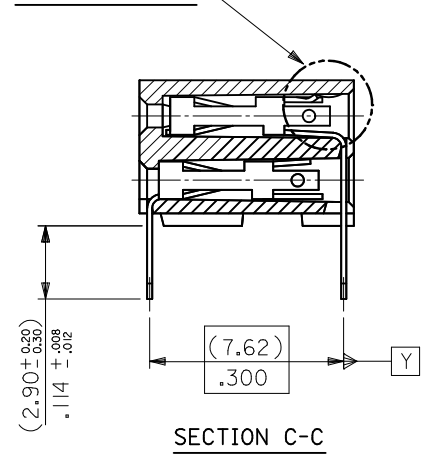
RECOMMENDED P.C. BOARD HOLE PATTERN

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

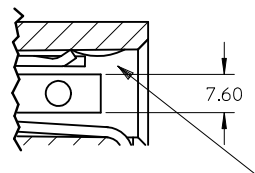


SEE DETAIL "A"



SECTION C-C

DETAIL "A"



TERMINAL RETENTION FEATURE

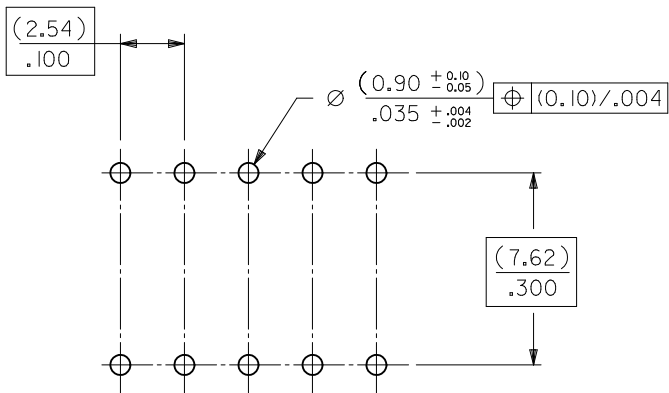
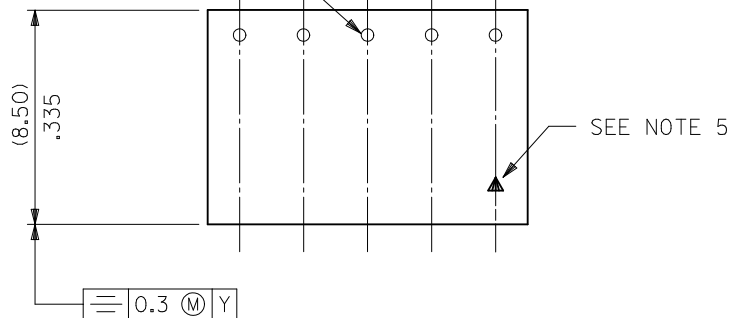
SHT385. UPDATE SEC C-C EC NO: S2011-1033 DR:WATSEE 2011/06/06 CHKD:SKANG 2011/06/21 APPR:MLONG 2011/06/21	QUALITY SYMBOLS $F_{\Delta} = 0$ $F_{\square} = 0$ $F_{\nabla} = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
		mm	INCH	MM ONLY	NTS	METRIC			
REV	DESCRIPTION	4 PLACES	\pm ---	\pm ---	DRAWN BY	DATE	TITLE C-GRID PCB CONN DR HORZ		
		3 PLACES	\pm ---	\pm ---	DB	1987/07/14			
C		2 PLACES	± 0.20	$\pm .008$	CHECKED BY	DATE	MOLEX INCORPORATED		
		1 PLACE	\pm ---	\pm ---	DB	1987/07/14			
		ANGULAR $\pm 2^\circ$		APPROVED BY	DATE	MATERIAL NO. SDA-90152 DOCUMENT NO. SHEET NO. 1 OF 5			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MLONG	2010/01/14				
		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			
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		
22	22					20	INDICATES NO. OF CIRCUITS		
24	24	(27.94)	1.100	(30.48)	1.200	18	PLATING CODE. 21 = VERSION A 22 = VERSION E 23 = VERSION F 25 = VERSION G		
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			

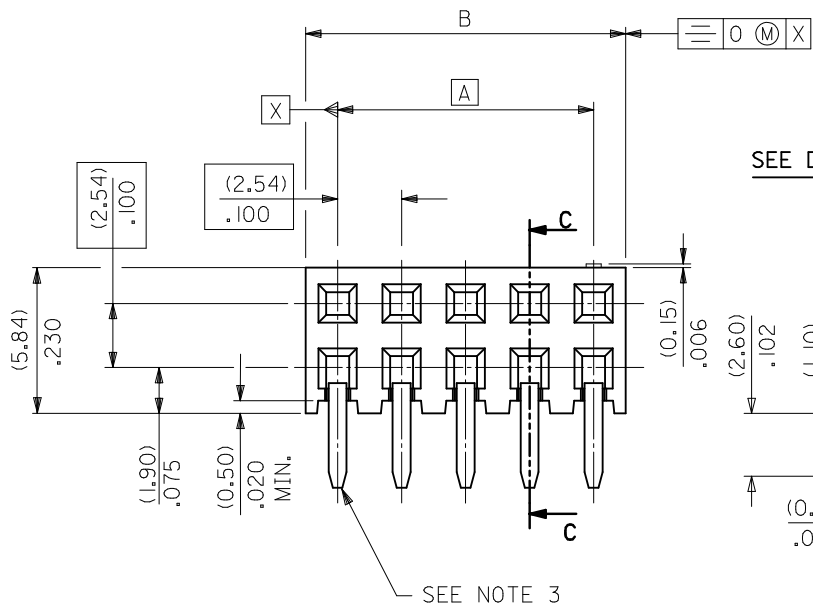
STANDARD PRODUCTS

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 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		
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

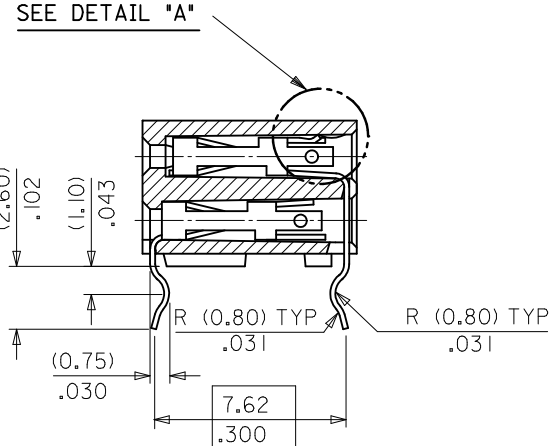
TERMINAL RETENTION FEATURE



RECOMMENDED P.C. BOARD HOLE PATTERN



SEE DETAIL "A"

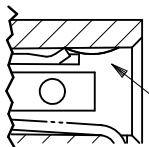


SECTION C-C

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

	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			
	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			
E	20	20	(22.86)	.900	(25.40)	1.000	22			
	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			
D	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			
C	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			
B	90152-XX64	64	(78.74)	3.100	(81.28)	3.200	5			

PLATING VERSION A

PRE-PLATED HOT DIP TIN
1.0 TO 2.5 microns (.00004" TO .00010").

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).

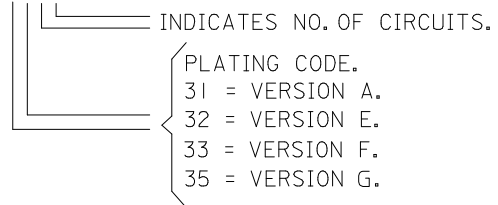
PLATING VERSION F.

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).

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).

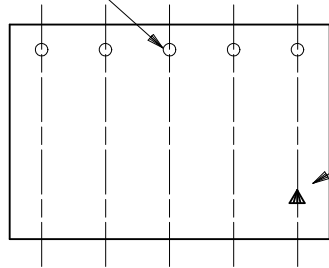
90152-XXYY



A	SHT385. UPDATE SEC C-C EC NO: S2011-1033 DRW:ATSEE 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
				$F_A=0$		mm	INCH	NTS	METRIC	
				$F_G=0$		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 INCORPORATED			
					MLONG	2010/01/14	DOCUMENT NO.		SHEET NO.	
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE		SDA-90152		4 OF 5	
					SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
					A3					

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.

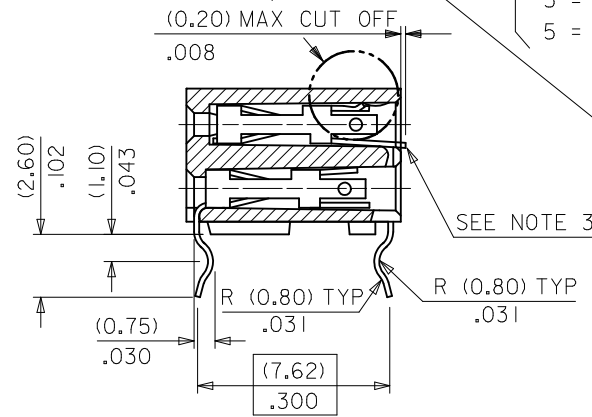
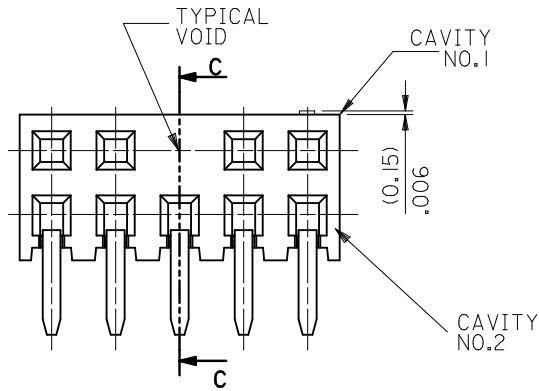
NOTES

- 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"

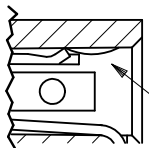


SEE NOTE 3

- 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.		
			ANGULAR ± 2 °		MATERIAL NO.		SHEET NO.		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SDA-90152 5 OF 5		
					SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
					A3				