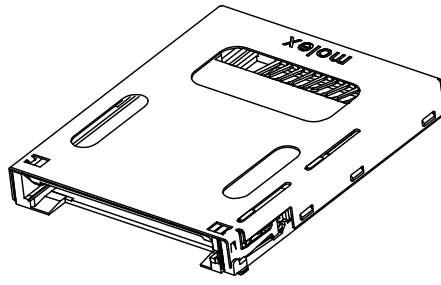
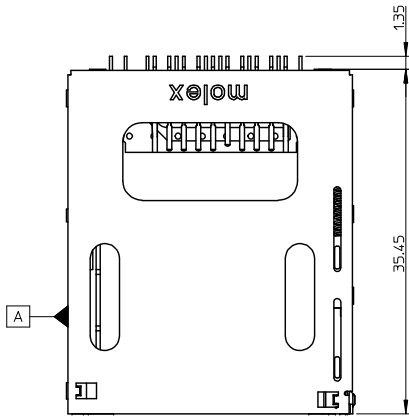
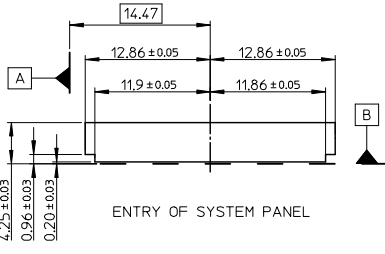
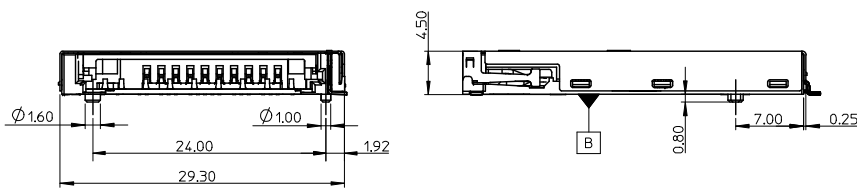


10 9 8 7 6 5 4 3 2 1

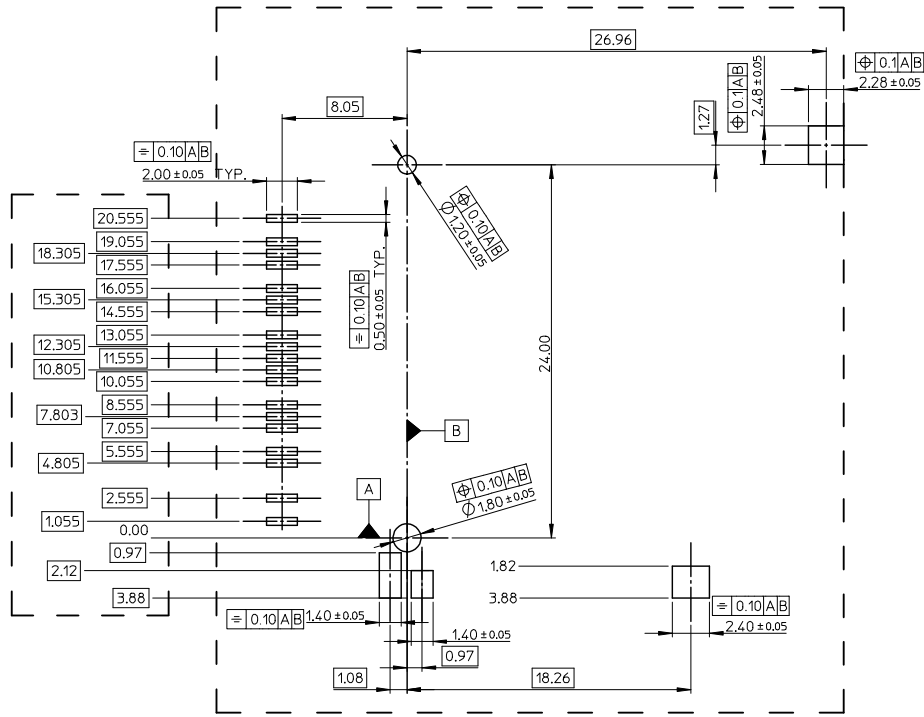


NOTE:
 1.MATERIALS:
 HOUSING: HIGH TEMPERATURE THERMOPLASTIC, BLACK, UL94 V-0.
 TERMINAL : NAIL AND SWITCH: COPPER ALLOY.
 METAL SHELL: STAINLESS STEEL
 2.FINISH:
 TERMINAL: NICKEL OVERALL UNDERPLATING, THICKNESS : 1.27 MICROMETER MIN. SELECTIVE GOLD ON CONTACT AREA, THICKNESS : 0.2 MICROMETER MIN. TIN ALLOY ON SOLDER AREA, THICKNESS : 3 MICROMETER MIN.
 SWITCH: NICKEL OVERALL UNDERPLATING, THICKNESS : 1.27 MICROMETER MIN. SELECTIVE GOLD ON CONTACT AREA, THICKNESS : 0.05 MICROMETER MIN. TIN ALLOY ON SOLDER AREA, THICKNESS : 3 MICROMETER MIN.
 NAIL: NICKEL OVERALL UNDERPLATING, THICKNESS : 1.27 MICROMETER MIN. TIN ALLOY ,THICKNESS : 3 MICROMETER MIN. ON SOLDER AREA
 3.COPLANARITY: 0.15 MAX.
 4.PRODUCT SPECIFICATION: PS-48000-001
 5.PACKAGING: PK-48000-001
 6.PRODUCT COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV 2000/53/EC.



UPDATE DRAWING EC NO: 2008/08/14 DRWNL: SONG09 CHKD: APPR:	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± ---	mm INCH	DRAWN BY FOX, WU	DATE 2003/09/04	TITLE 3 IN 1 MEMORY COMBO CONNECTOR PUSH PUSH TYPE			
		3 PLACES ± --- ± ---		CHECKED BY W. CHANG	DATE 2003/09/05	MOLEX INCORPORATED			
		2 PLACES ± 0.25 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± 3 °		APPROVED BY E. LAN	DATE 2003/09/05	MATERIAL NO. 480002001	DOCUMENT NO. SD-48000-201	SHEET NO. 1 OF 5	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

9 8 7 6 5 4 3 2 1

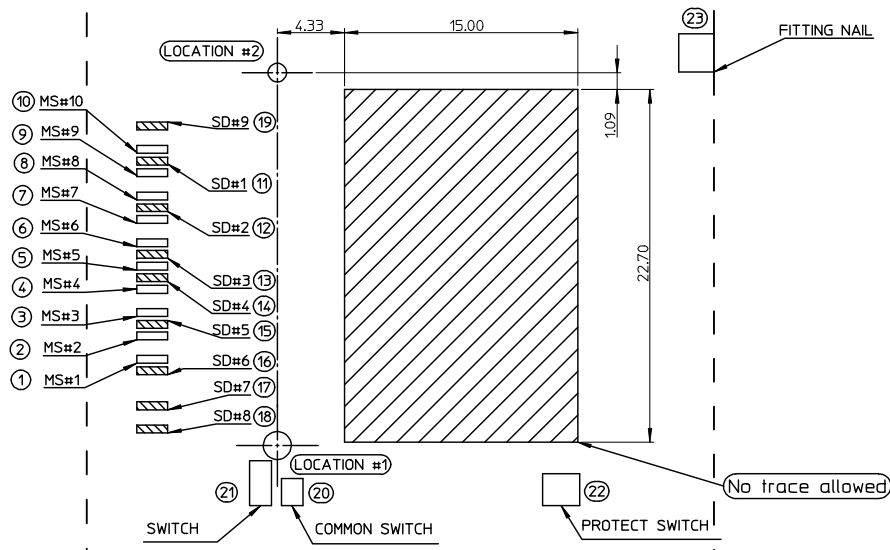


FOOT PRINT

RECOMMENDED PCB THICKNESS : 1.0 mm

UPDATE DRAWING EC NO: SHZ009-0083 DRAWN: SONG09 2008/08/14 CHKD: APPR:	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION																		
		$\nabla=0$ $\sphericalangle=0$	<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>± 0.25</td> <td>± ---</td> </tr> <tr> <td>ANGULAR</td> <td>± 3°</td> <td></td> </tr> </tbody> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.25	± ---	1 PLACE	± 0.25	± ---	ANGULAR	± 3°		MM ONLY	1:1	METRIC	
			mm	INCH																					
		4 PLACES	± ---	± ---																					
3 PLACES	± ---	± ---																							
2 PLACES	± 0.25	± ---																							
1 PLACE	± 0.25	± ---																							
ANGULAR	± 3°																								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY FOX.WU CHECKED BY W.CHANG APPROVED BY E.LAN	DATE 2003/09/04 DATE 2003/09/05 DATE 2003/09/05	TITLE 3 IN 1 MEMORY COMBO CONNECTOR PUSH PUSH TYPE																						
			MATERIAL NO. 480002001 SIZE A3	DOCUMENT NO. SD-48000-201	SHEET NO. 2 OF 5	MOLEX INCORPORATED																			

10 9 8 7 6 5 4 3 2 1



SD CARD CIRCUIT

 WITHOUT CARD
 #21 SW 0-- --0 #20 GND
 #22 WP 0-- --0 #20 GND

 CARD INSERTED
 WRITE PROTECT LOCK
 #21 SW 0-----0 #20 GND
 #22 WP 0-- --0 #20 GND

 CARD INSERTED
 WRITE PROTECT UNLOCK
 #21 SW 0-----0 #20 GND
 #22 WP 0-----0 #20 GND

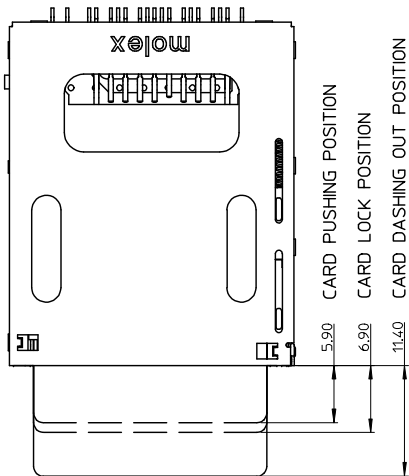
THE SD CARD CONTACTS ARE CONTACTED IN THREE STEPS :
 1. GROUND VSS (PIN3) AND SUPPLY VOLTAGE VDD (PIN4).
 2. CLK,CMD,DAT0,DAT1,DAT2 AND VSS (PIN6)
 3. CD/DAT3 (PIN1)

1	MS-1P (Vss)	15	SD-5P (CLK)
2	MS-2P (BS)	16	SD-6P (Vss)
3	MS-3P (DATA1)	17	SD-7P (DAT0)
4	MS-4P (SDIO/DATA0)	18	SD-8P (DAT1)
5	MS-5P (DATA2)	19	SD-9P (DAT2)
6	MS-6P (INS)	20	SD-SW (GND)
7	MS-7P (DATA3)	21	SW (RSV)
8	MS-8P (SCLK)	22	SD-SW (WP)
9	MS-9P (Vcc)	23	FITTING NAIL
10	MS-10P (Vss)		
11	SD-1P (CD/DAT3)		
12	SD-2P (CMD)		
13	SD-3P (Vss)		
14	SD-4P (Vdd)		

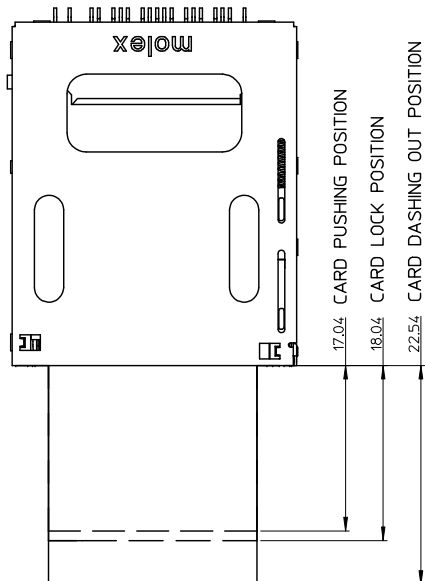
PIN ASSIGNMENT

UPDATE DRAWING EC NO: 2008/08/14 D DRWNL:SONG09 CHKD: APPR:	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <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>± 0.25</td> <td>± ---</td> </tr> <tr> <td colspan="3">ANGULAR ± 3 °</td> </tr> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.25	± ---	1 PLACE	± 0.25	± ---	ANGULAR ± 3 °			DIMENSION STYLE MM ONLY	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
			mm	INCH																					
		4 PLACES	± ---	± ---																					
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1 PLACE	± 0.25	± ---																							
ANGULAR ± 3 °																									
DRAWN BY FOX.WU	DATE 2003/09/04	TITLE 3 IN 1 MEMORY COMBO CONNECTOR PUSH PUSH TYPE																							
CHECKED BY W.CHANG	DATE 2003/09/05	MOLEX INCORPORATED																							
APPROVED BY E.LAN	DATE 2003/09/05	MATERIAL NO. 480002001	DOCUMENT NO. SD-48000-201	SHEET NO. 3 OF 5																					

10 9 8 7 6 5 4 3 2 1



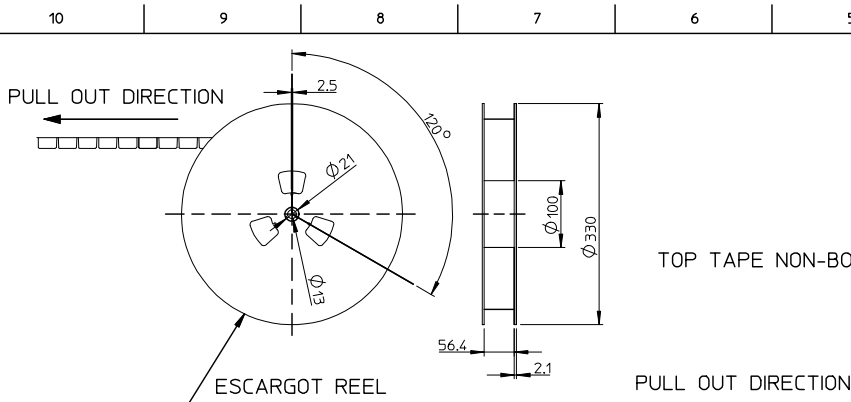
MMC/SD card



MS card

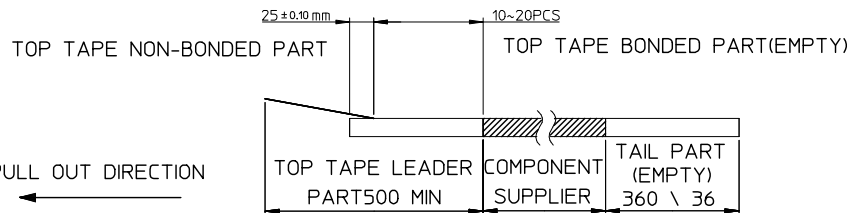
UPDATE DRAWING EC NO: SH2009-0083 D DRWNLSONG09 2008/08/14 CHKD: APPR:	DESCRIPTION QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± ---	mm INCH	DRAWN BY FOX.WU	DATE 2003/09/04	TITLE 3 IN 1 MEMORY COMBO CONNECTOR PUSH PUSH TYPE			
		3 PLACES ± --- ± ---		CHECKED BY W.CHANG	DATE 2003/09/05	MOLEX INCORPORATED			
		2 PLACES ± 0.25 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± 3 °		APPROVED BY E.LAN	DATE 2003/09/05	MATERIAL NO. 480002001	DOCUMENT NO. SD-48000-201	SHEET NO. 4 OF 5	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

9 8 7 6 5 4 3 2 1

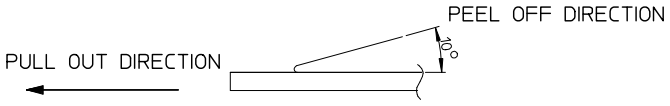


NOTES

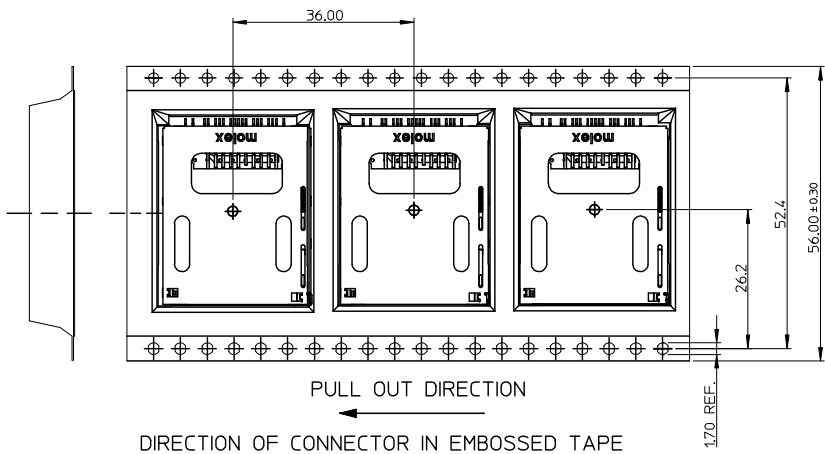
1. NUMBER OF CONNECTORS: 250 PCS/REEL



3. PEEL OFF FORCE OF TOP TAPE: 0.1~1.3 N (10.2~130gf)
 PEELING DIRECTION AS SHOWN IN FOLLOWING FIG.)
 (PEEL OFF SPEED: 300mm/min, REF.)



4. PACKAGING DRAWING REFERS TO PK-48000-001



UPDATE DRAWING EC NO: SH2009-0083 2008/08/14 DRAWN: SONG09 CHKD: JSONG APPR: HWANG	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		mm	INCH	DRAWN BY FOX.WU		DATE 2003/09/04	TITLE 3 IN 1 MEMORY COMBO CONNECTOR PUSH PUSH TYPE MOLEX INCORPORATED		
		4 PLACES ± ---	± ---	CHECKED BY W.CHANG		DATE 2003/09/05			
		3 PLACES ± ---	± ---	APPROVED BY E.LAN		DATE 2003/09/05	MATERIAL NO. 480002001	DOCUMENT NO. SD-48000-201	SHEET NO. 5 OF 5
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							