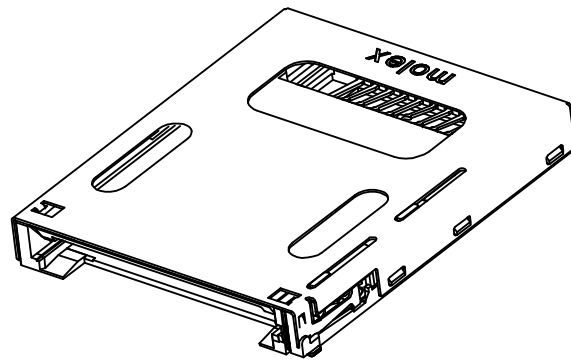
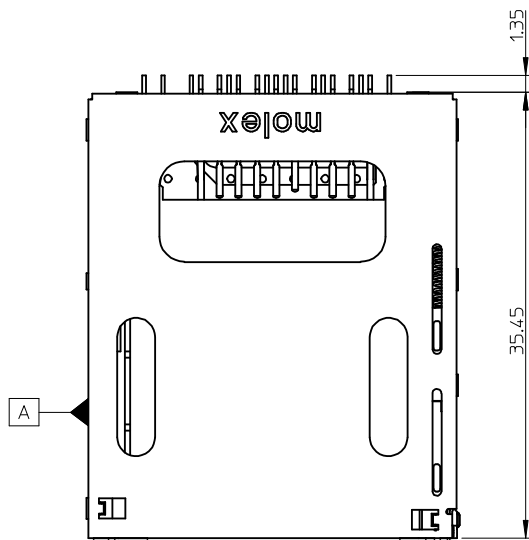




NOTE:

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.

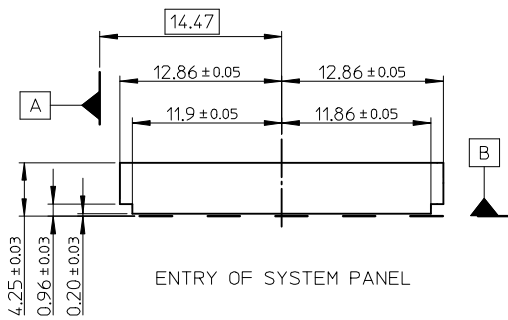
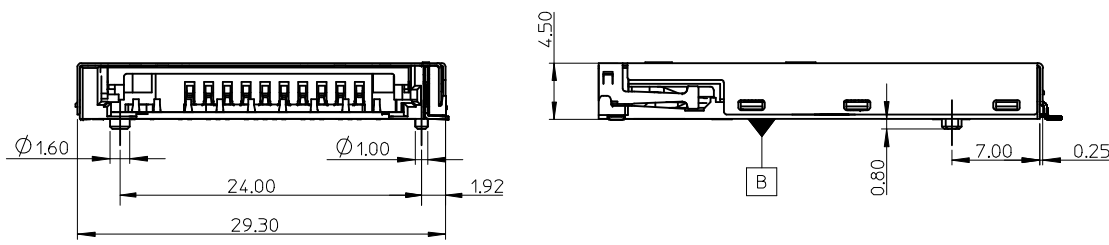
NAIL: NICKEL OVERALL UNDERPLATING, THICKNESS : 1.27 MICROMETER MIN. TIN ALLOY ,THICKNESS : 3 MICROMETER MIN. ON SOLDER AREA

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 DRWN: SONG09 CHKD: APPR:	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
					DRAWN BY FOX.WU	DATE 2003/09/04	3 IN 1 MEMORY COMBO CONNECTOR PUSH PUSH TYPE				
			4 PLACES	± --- ± ---	CHECKED BY W. CHANG	DATE 2003/09/05					
			3 PLACES	± --- ± ---	APPROVED BY E. LAN	DATE 2003/09/05					
			2 PLACES	± 0.25 ± ---	MATERIAL NO. 480002001		DOCUMENT NO. SD-48000-201		SHEET NO. 1 OF 5		
			1 PLACE	± 0.25 ± ---	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
			ANGULAR ± 3 °								
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A3					



UPDATE DRAWING EC NO: SH2009-0083 DRAWN: L.SONG09 CHKD: APPR:	2008/08/14 DESCRIPTION REV	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	DATE	TITLE 3 IN 1 MEMORY COMBO CONNECTOR PUSH PUSH TYPE				
		4 PLACES	± ---	± ---	FOX.WU	2003/09/04					
		3 PLACES	± ---	± ---	CHECKED BY	DATE	MOLEX MOLEX INCORPORATED				
2 PLACES	± 0.25	± ---	W. CHANG	2003/09/05							
1 PLACE	± 0.25	± ---	APPROVED BY	DATE	MATERIAL NO. 480002001 DOCUMENT NO. SD-48000-201 SHEET NO. 2 OF 5						
ANGULAR ± 3 °		E. LAN	2003/09/05								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

SD CARD CIRCUIT	

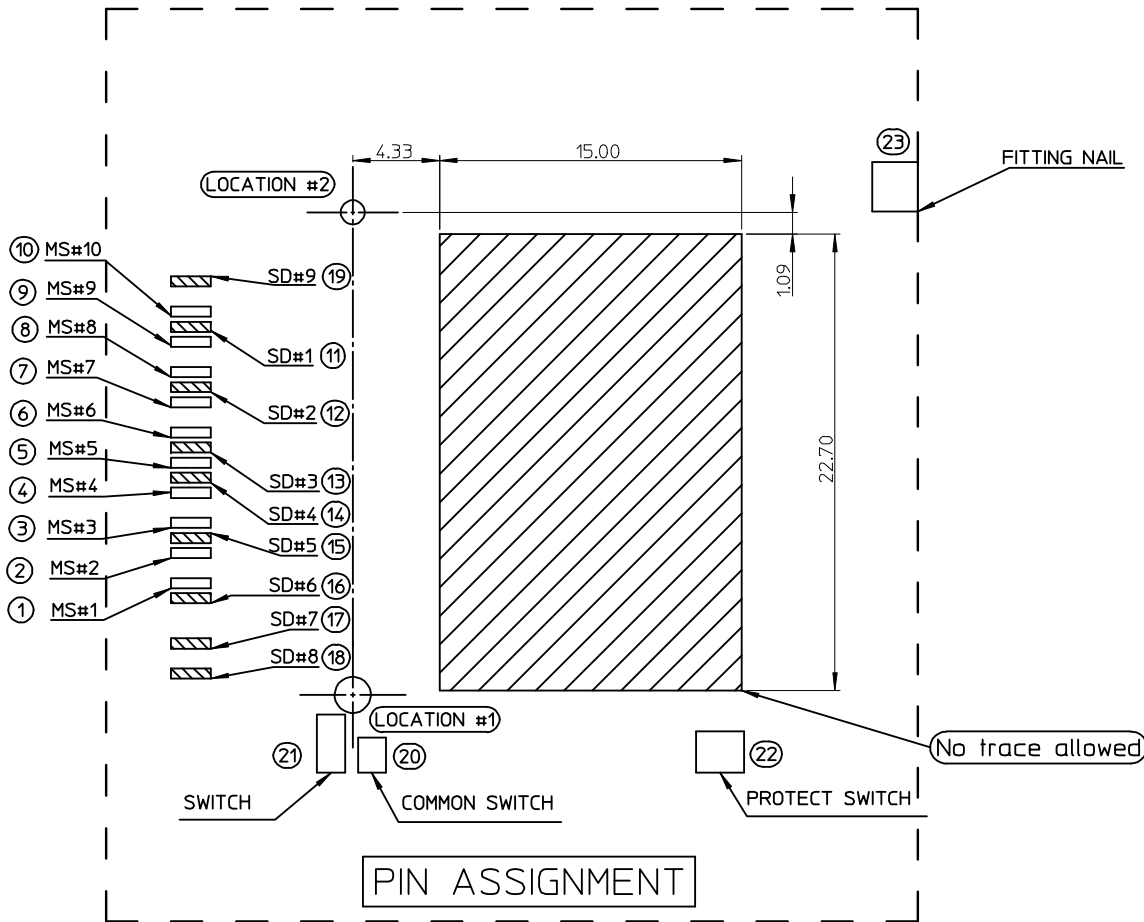
WITHOUT CARD	
#21 SW 0--	--O #20 GND
#22 WP 0--	--O #20 GND

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

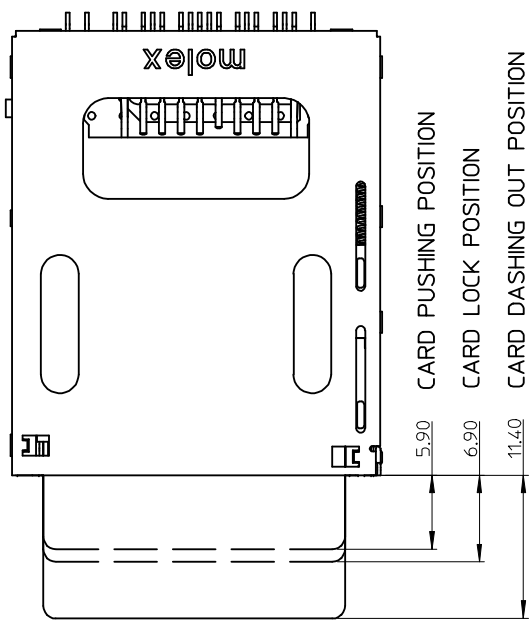
CARD INSERTED	
WRITE PROTECT UNLOCK	
#21 SW 0-----O	#20 GND
#22 WP 0-----O	#20 GND

- 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)

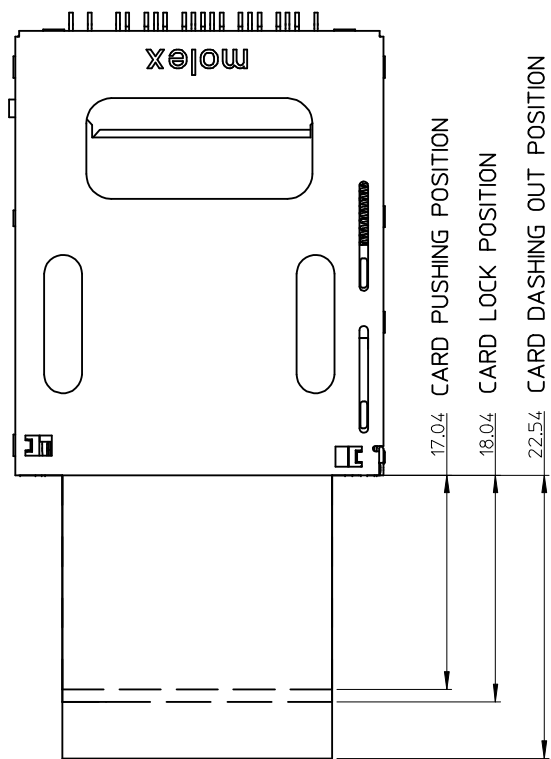
1	MS-1P (Vss)	15	SD-5P (CLK)
2	MS-2P (BS)	16	SD-6P (Vss)
3	MS-3P (DATA1)	17	SD-7P (DAT0)
4	MS-4P (SDIO/DATA0)	18	SD-8P (DAT1)
5	MS-5P (DATA2)	19	SD-9P (DAT2)
6	MS-6P (INS)	20	SD-SW (GND)
7	MS-7P (DATA3)	21	SW (RSV)
8	MS-8P (SCLK)	22	SD-SW (WP)
9	MS-9P (Vcc)	23	FITTING NAIL
10	MS-10P (Vss)		
11	SD-1P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



UPDATE DRAWING		2008/08/14		DESCRIPTION	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	DATE	TITLE 3 IN 1 MEMORY COMBO CONNECTOR PUSH PUSH TYPE			
						4 PLACES ± ---	± ---	FOX.WU	2003/09/04				
						3 PLACES ± ---	± ---	CHECKED BY	DATE	MOLEX MOLEX INCORPORATED			
						2 PLACES ± 0.25	± ---	W.CHANG	2003/09/05				
						1 PLACE ± 0.25	± ---	APPROVED BY	DATE	DOCUMENT NO. SD-48000-201			
				ANGULAR ± 3 °		E.LAN	2003/09/05	SHEET NO. 3 OF 5					
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. 480002001							
						SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

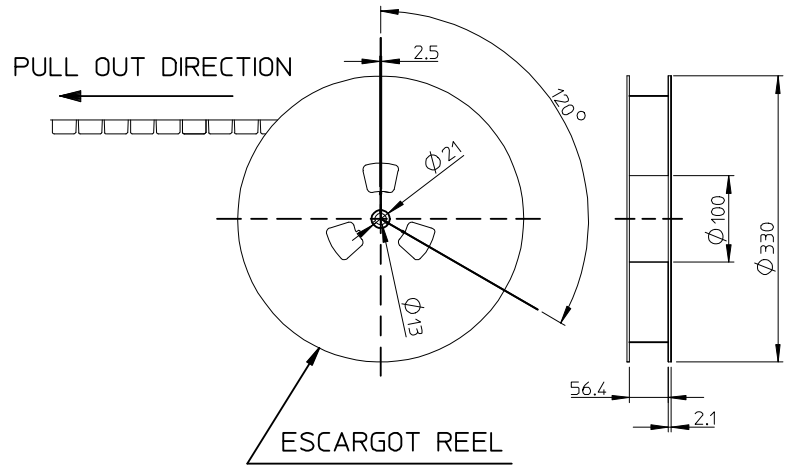


MMC/SD card



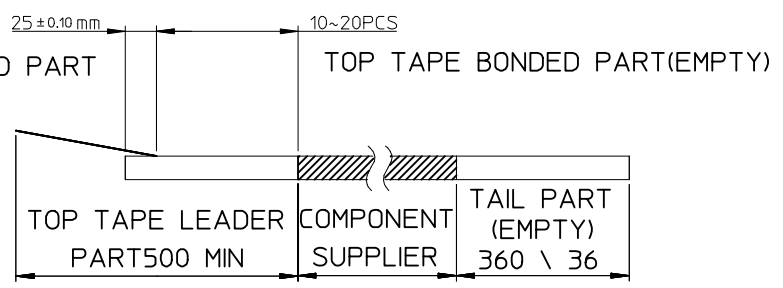
MS card

UPDATE DRAWING EC NO: SH2009-0083 DRWN: LSONG09 2008/08/14 CHKD: APPR:		DESCRIPTION REV	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		
				4 PLACES ± --- ± ---	CHECKED BY W. CHANG	DATE 2003/09/05				
				3 PLACES ± --- ± ---	APPROVED BY E. LAN	DATE 2003/09/05	MOLEX INCORPORATED			
				2 PLACES ± 0.25 ± ---						
				1 PLACE ± 0.25 ± ---						
				ANGULAR ± 3 °						
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. 480002001		DOCUMENT NO. SD-48000-201	SHEET NO. 4 OF 5	
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



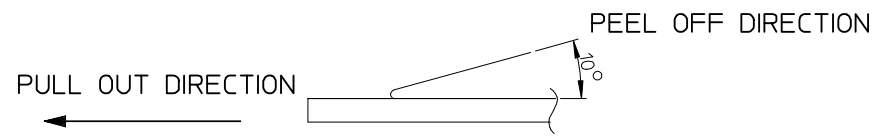
NOTES

1. NUMBER OF CONNECTORS: 250 PCS/REEL

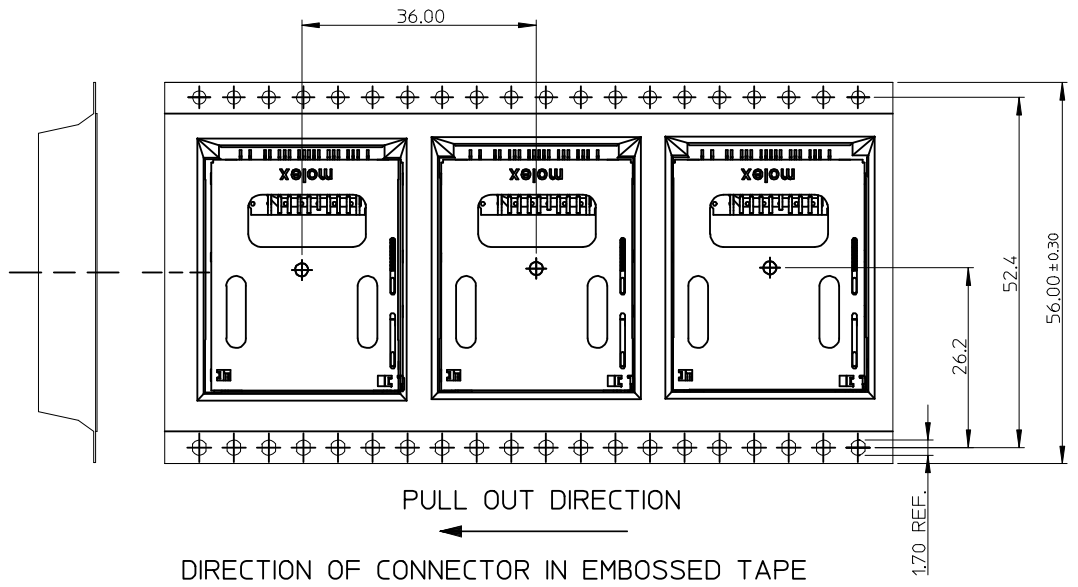


PULL OUT DIRECTION

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



PULL OUT DIRECTION
DIRECTION OF CONNECTOR IN EMBOSSED TAPE

UPDATE DRAWING EC NO: SH2009-0083 DRWN: LSONG09 2009/08/14 CHKD: XJ SONG APPR: HMWANG	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽C=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						
			4 PLACES	± ---	± ---	CHECKED BY W.CHANG	DATE 2003/09/05							
			3 PLACES	± ---	± ---	APPROVED BY E.LAN		DATE 2003/09/05	molex MOLEX INCORPORATED					
			2 PLACES	± 0.25	± ---	MATERIAL NO. 480002001								DOCUMENT NO. SD-48000-201
			1 PLACE	± 0.25	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								
			ANGULAR ± 3 °											
			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										