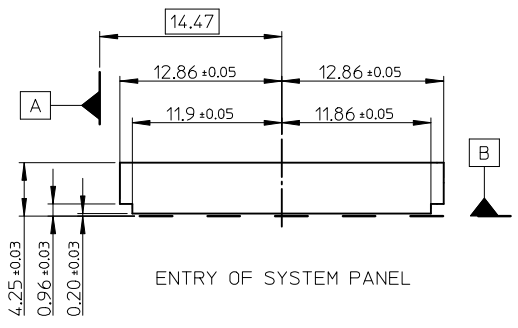
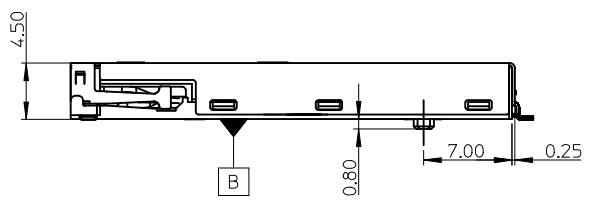
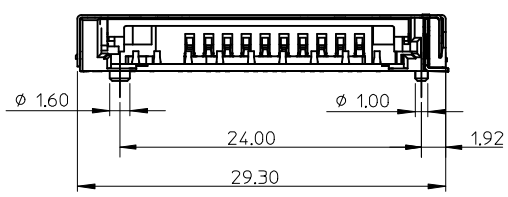


NOTE:

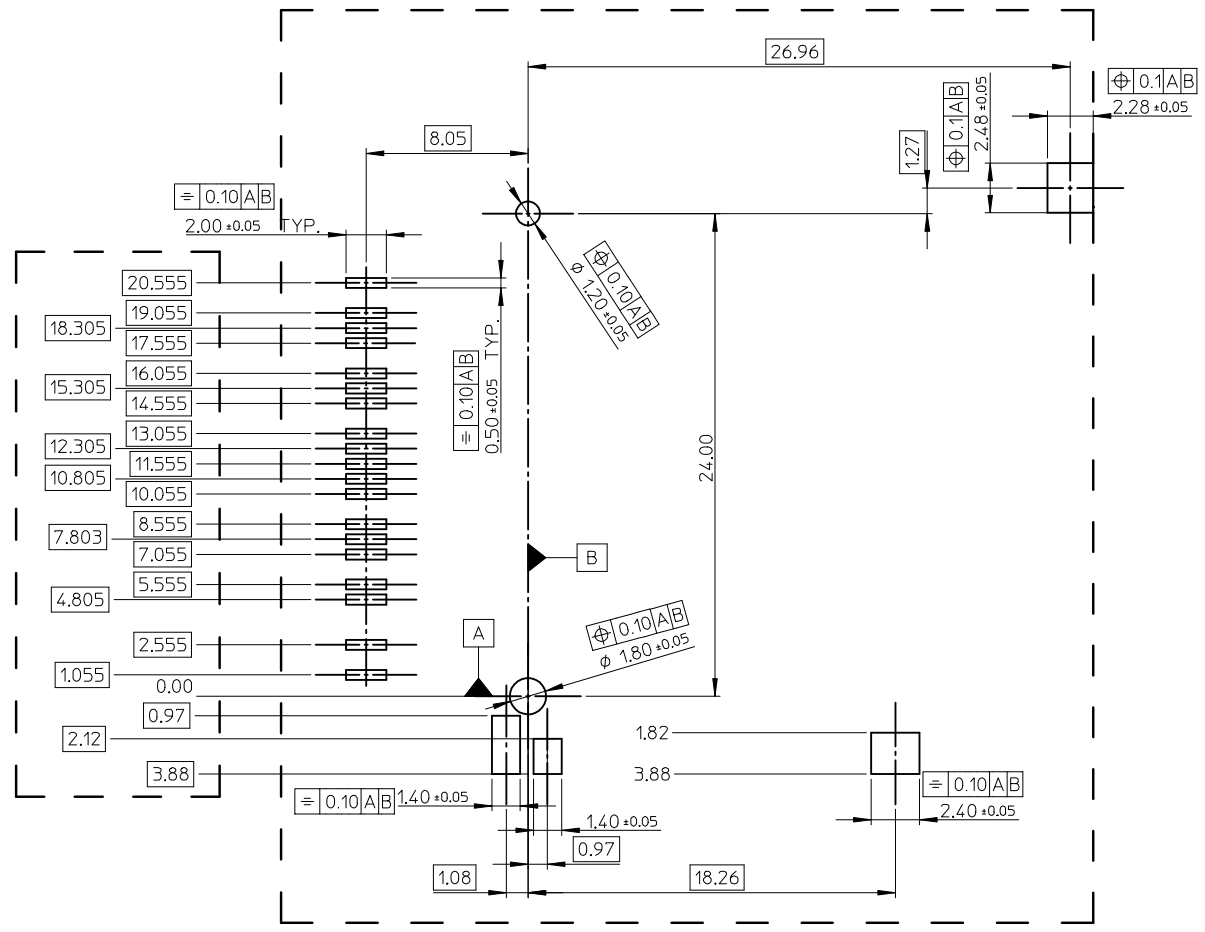
1.MATERIALS:
 HOUSING: HIGH TEMPERATURE THERMOPLASTIC, BLACK, UL94 V-0.
 TERMINAL : NAIL AND SWITCH: COPPER ALLOY.
 METAL SHELL: STAINLESS STEEL

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.



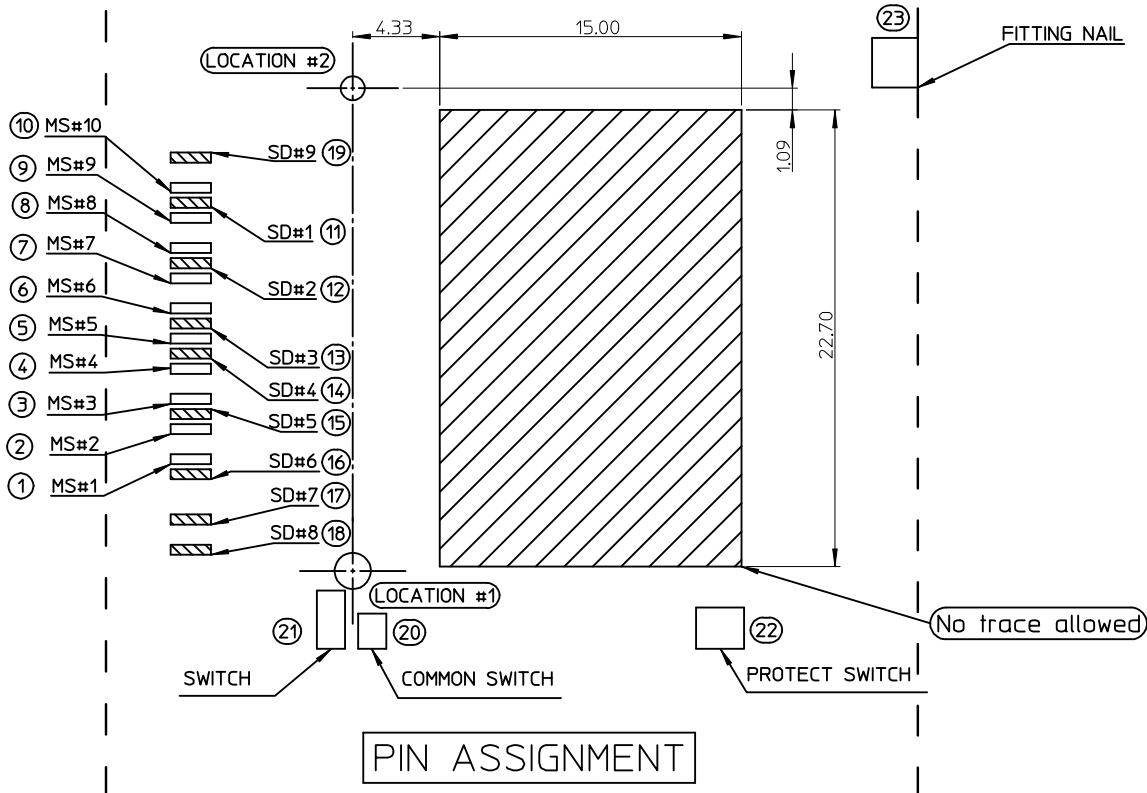
UPDATE DRAWING	EC NO:	2008/08/14	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	CHKD:				MM ONLY	1:1	METRIC		
D	DRWN:	DRWINLSONG09	DESCRIPTION	4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.25 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± 3 °	DRAWN BY	DATE	TITLE		
	APP:				FOX.WU	2003/09/04			
					CHECKED BY	DATE	3 IN 1 MEMORY COMBO CONNECTOR PUSH PUSH TYPE		
					W.CHANG	2003/09/05			
					APPROVED BY	DATE	MOLEX INCORPORATED		
					E.LAN	2003/09/05			
					MATERIAL NO.	DOCUMENT NO.	SHEET NO. 1 OF 5		
					480002001	SD-48000-201			
				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				



FOOT PRINT

RECOMMENDED PCB THICKNESS : 1.0 mm

UPDATE DRAWING EC NO: SH2009-0083 DRWNL: SONG09 2008/08/14 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 ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± 0.25 ± ---	1 PLACE ± 0.25 ± ---	ANGULAR ± 3°	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY FOX.WU	DATE 2003/09/04	TITLE 3 IN 1 MEMORY COMBO CONNECTOR PUSH PUSH TYPE	
								APPROVED BY E. LAN	DATE 2003/09/05	MOLEX INCORPORATED	
								MATERIAL NO. 480002001	DOCUMENT NO. SD-48000-201	SHEET NO. 2 OF 5	



PIN ASSIGNMENT

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)		

UPDATE DRAWING EC NO: DRWINLSONG09 2008/08/14 CHKD: CHKD: APPR:	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.25 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± 3 °	DIMENSION STYLE MM ONLY DRAWN BY: FOX.WU DATE: 2003/09/04 CHECKED BY: W.CHANG DATE: 2003/09/05 APPROVED BY: E.LAN DATE: 2003/09/05	SCALE 1:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	3 IN 1 MEMORY COMBO CONNECTOR PUSH PUSH TYPE MOLEX INCORPORATED SD-48000-201 SHEET NO. 3 OF 5
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. 480002001	DOCUMENT NO. SD-48000-201		
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
	SIZE A3				

10 9 8 7 6 5 4 3 2 1

F

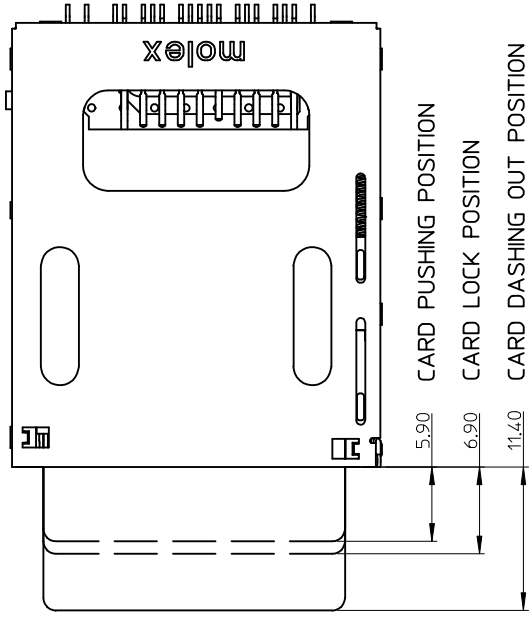
E

D

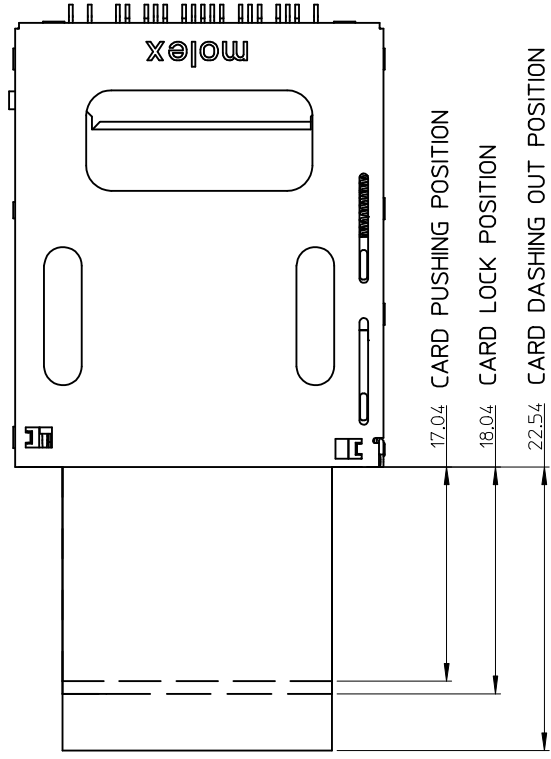
C

B

A



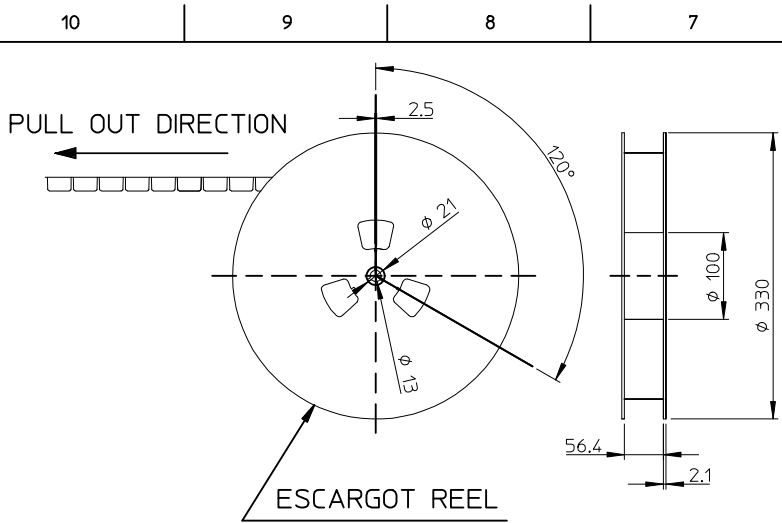
MMC/SD card



MS card

UPDATE DRAWING EC NO: SHZ009-0083 DRWN: LSONG09 2008/08/14 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 ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.25 ± --- 1 PLACE ± 0.25 ± ---	mm INCH	DRAWN BY FOX.WU	DATE 2003/09/04	TITLE 3 IN 1 MEMORY COMBO CONNECTOR PUSH PUSH TYPE			
		ANGULAR ± 3 °		CHECKED BY W.CHANG	DATE 2003/09/05	MOLEX INCORPORATED			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY E.LAN	DATE 2003/09/05	MATERIAL NO. 480002001	DOCUMENT NO. SD-48000-201	SHEET NO. 4 OF 5	

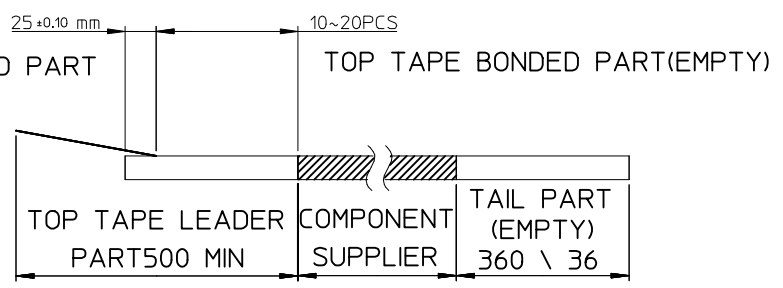
9 8 7 6 5 4 3 2 1



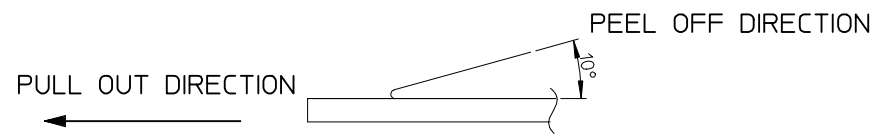
NOTES

1. NUMBER OF CONNECTORS: 250 PCS/REEL

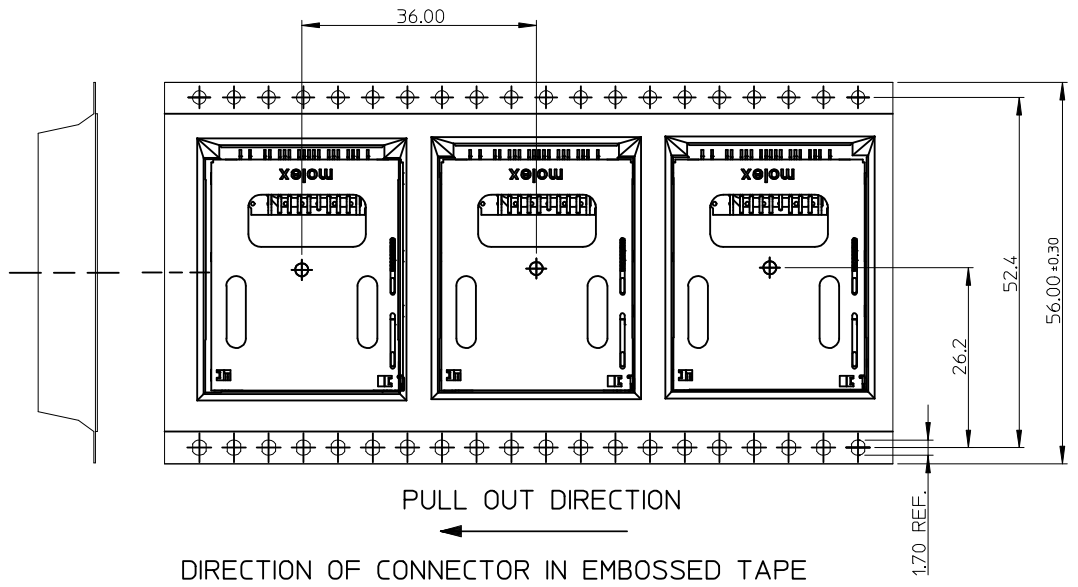
TOP TAPE NON-BONDED PART
PULL OUT DIRECTION



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



UPDATE DRAWING	2008/08/14
EC NO: SH2009-0083	
DRWN: L.SONG	
CHKD: X.J.SONG	
APPR: H.WANG	
REV	DESCRIPTION
D	

QUALITY SYMBOLS	▽=0
	∇=0
	4 PLACES ± --- ± ---
	3 PLACES ± --- ± ---
	2 PLACES ± 0.25 ± ---
1 PLACE ± 0.25 ± ---	
ANGULAR ± 3 °	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
DRAWN BY: FOX.WU DATE: 2003/09/04	
CHECKED BY: W.CHANG DATE: 2003/09/05	
APPROVED BY: E.LAN DATE: 2003/09/05	
MATERIAL NO. 480002001	
SIZE: A3	

DIMENSION STYLE: MM ONLY	SCALE: 1:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
TITLE: 3 IN 1 MEMORY COMBO CONNECTOR PUSH PUSH TYPE			
MOLEX INCORPORATED			
DOCUMENT NO. SD-48000-201		SHEET NO. 5 OF 5	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			