

NOTE:

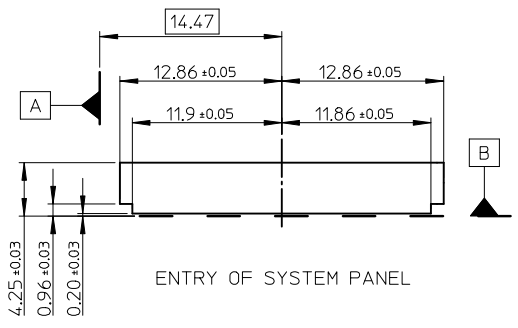
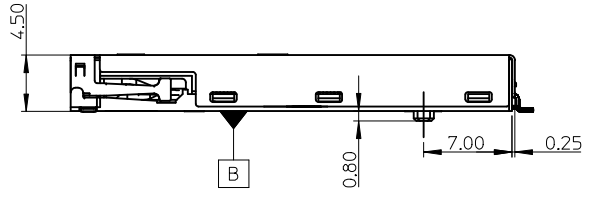
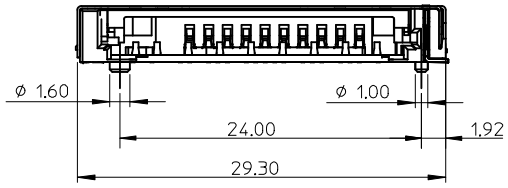
1.MATERIALS:  
 HOUSING: HIGH TEMPERATURE THERMOPLASTIC, BLACK, UL94 V-0.  
 TERMINAL : NAIL AND SWITCH: COPPER ALLOY.  
 METAL SHELL: STAINLESS STEEL

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.

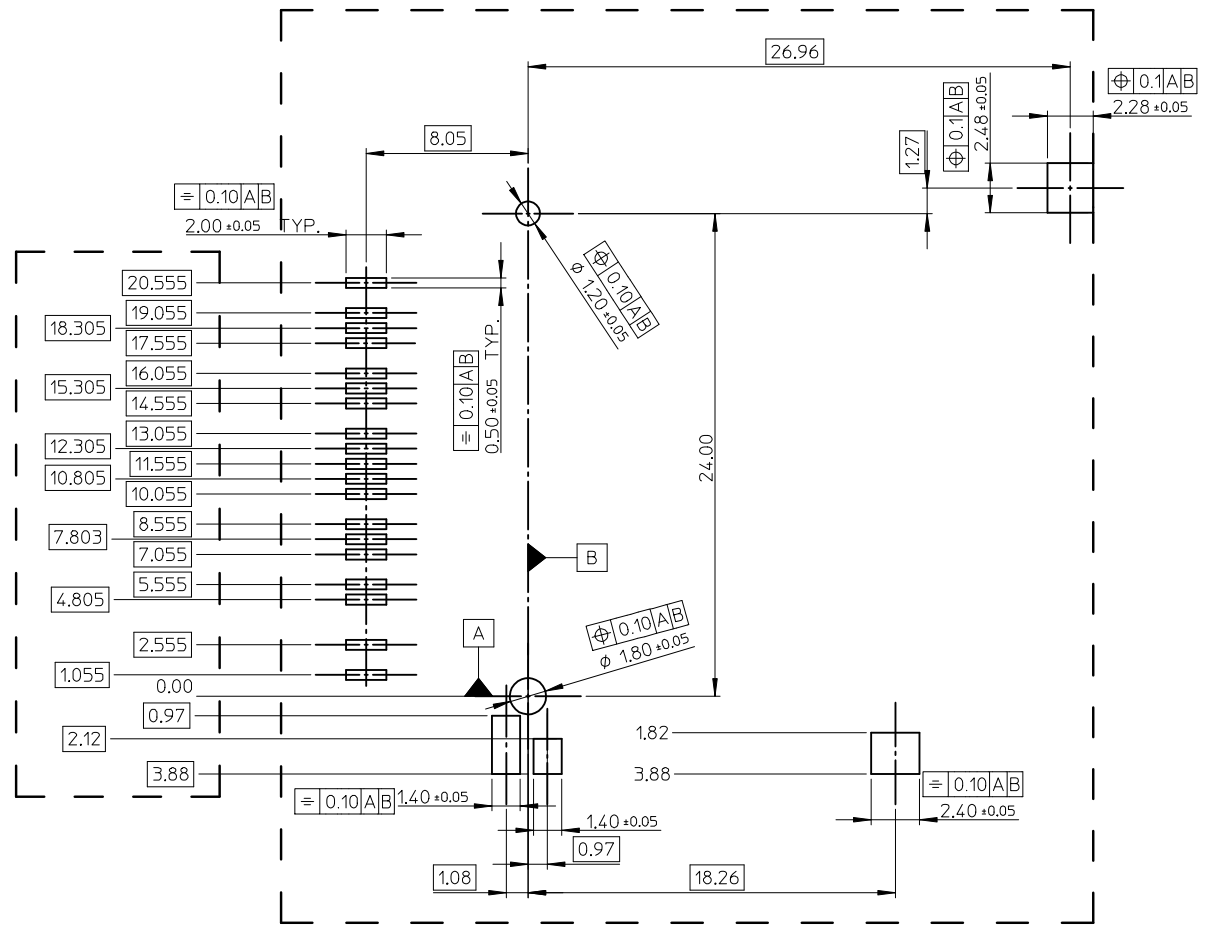
SWITCH: NICKEL OVERALL UNDERPLATING,  
 THICKNESS : 1.27 MICROMETER MIN.  
 SELECTIVE GOLD ON CONTACT AREA,  
 THICKNESS : 0.05 MICROMETER MIN.  
 TIN ALLOY ON SOLDER AREA,  
 THICKNESS : 3 MICROMETER MIN.

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.



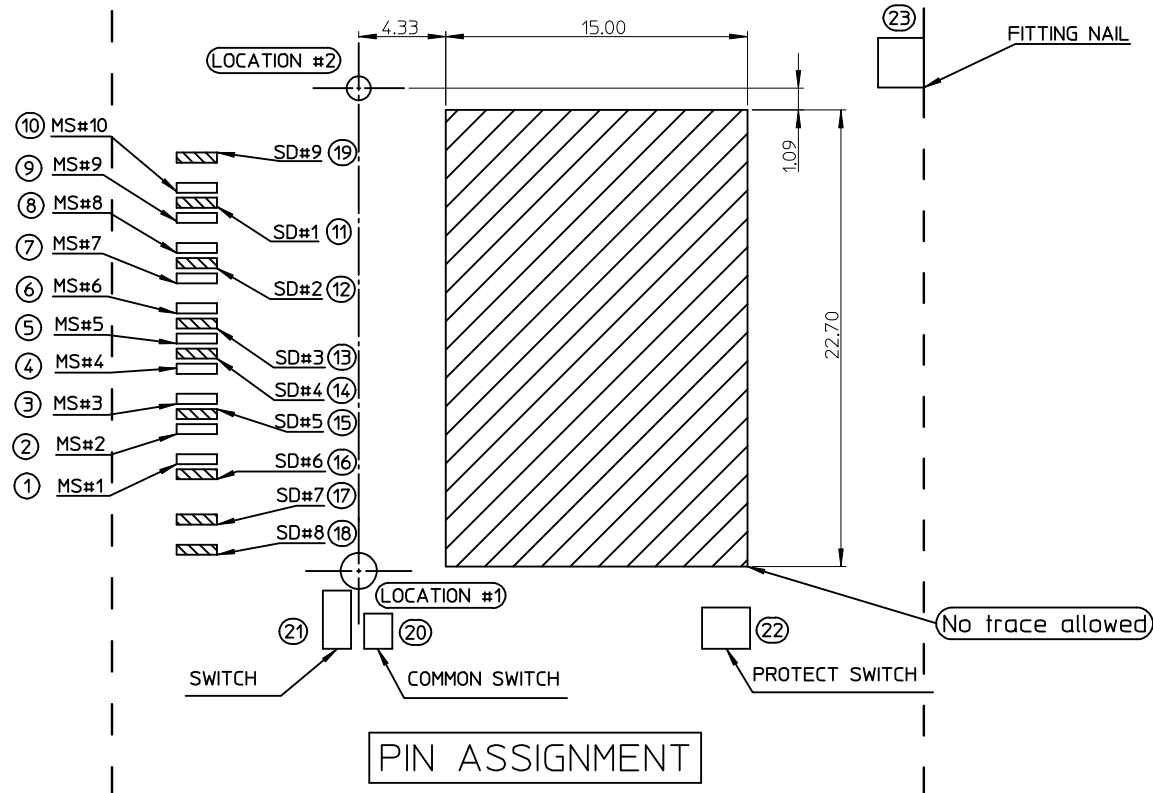
UPDATE DRAWING	EC NO:	2008/08/14	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	CHKD:				MM ONLY	1:1	METRIC			
D	DRWN:	DRWINLSONG09	DESCRIPTION	4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.25 ± --- 1 PLACE ± 0.25 ± --- ANGULAR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



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

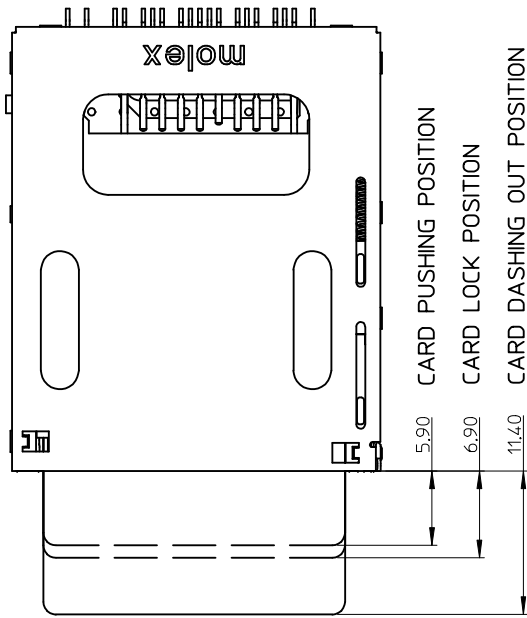
THE SD CARD CONTACTS ARE CONTACTED IN THREE STEPS :

1. GROUND VSS (PIN3) AND SUPPLY VOLTAGE VDD (PIN4).
2. CLK,CMD,DAT0,DAT1,DAT2 AND VSS (PIN6)
3. CD/DAT3 (PIN1)

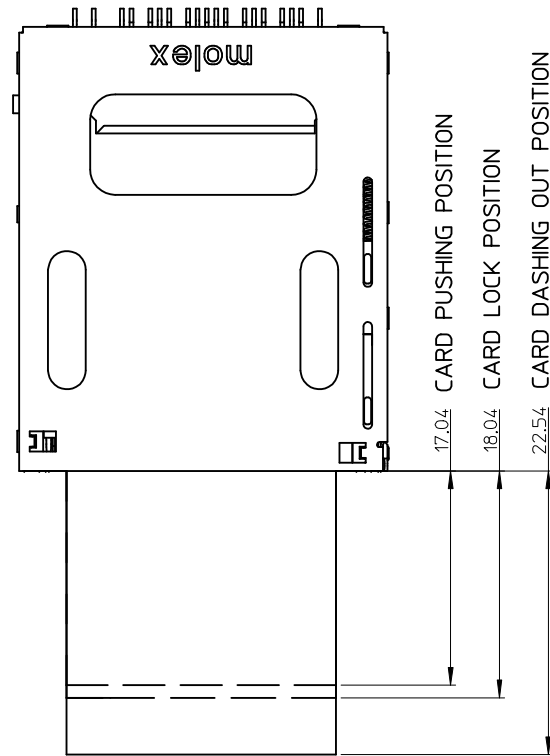
1	MS-1P (Vss)	15	SD-5P (CLK)
2	MS-2P (BS)	16	SD-6P (Vss)
3	MS-3P (DATA1)	17	SD-7P (DAT0)
4	MS-4P (SDIO/DATA0)	18	SD-8P (DAT1)
5	MS-5P (DATA2)	19	SD-9P (DAT2)
6	MS-6P (INS)	20	SD-SW (GND)
7	MS-7P (DATA3)	21	SW (RSV)
8	MS-8P (SCLK)	22	SD-SW (WP)
9	MS-9P (Vcc)	23	FITTING NAIL
10	MS-10P (Vss)		
11	SD-1P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



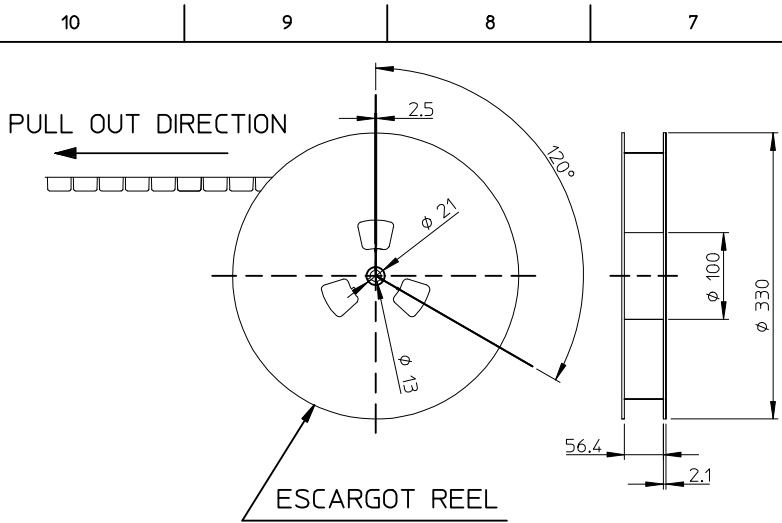
MMC/SD card



MS card

UPDATE DRAWING EC NO: SHZ009-0083 DRWN: LSONG09 2008/08/14 CHKD: APPR:	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	$\nabla = 0$ $\square = 0$	mm INCH 4 PLACES $\pm$ --- $\pm$ --- 3 PLACES $\pm$ --- $\pm$ --- 2 PLACES $\pm$ 0.25 $\pm$ --- 1 PLACE $\pm$ 0.25 $\pm$ --- ANGULAR $\pm$ 3 °	MM ONLY	1:1	METRIC		
	DESCRIPTION	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY DATE FOX.WU 2003/09/04 CHECKED BY DATE W.CHANG 2003/09/05 APPROVED BY DATE E.LAN 2003/09/05	TITLE			3 IN 1 MEMORY COMBO CONNECTOR PUSH PUSH TYPE
	REV		MATERIAL NO.	MOLEX INCORPORATED		DOCUMENT NO.	SHEET NO.
D		480002001	SD-48000-201			4 OF 5	
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

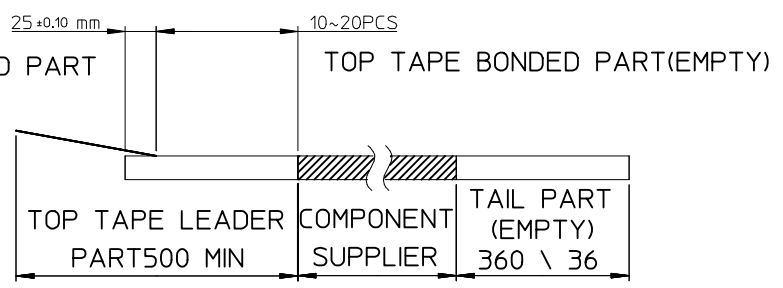
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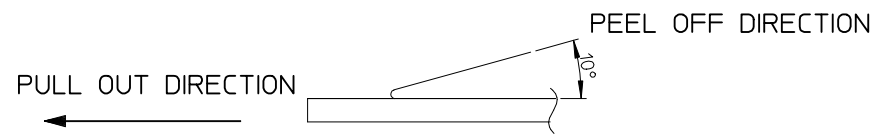
**NOTES**

1. NUMBER OF CONNECTORS: 250 PCS/REEL

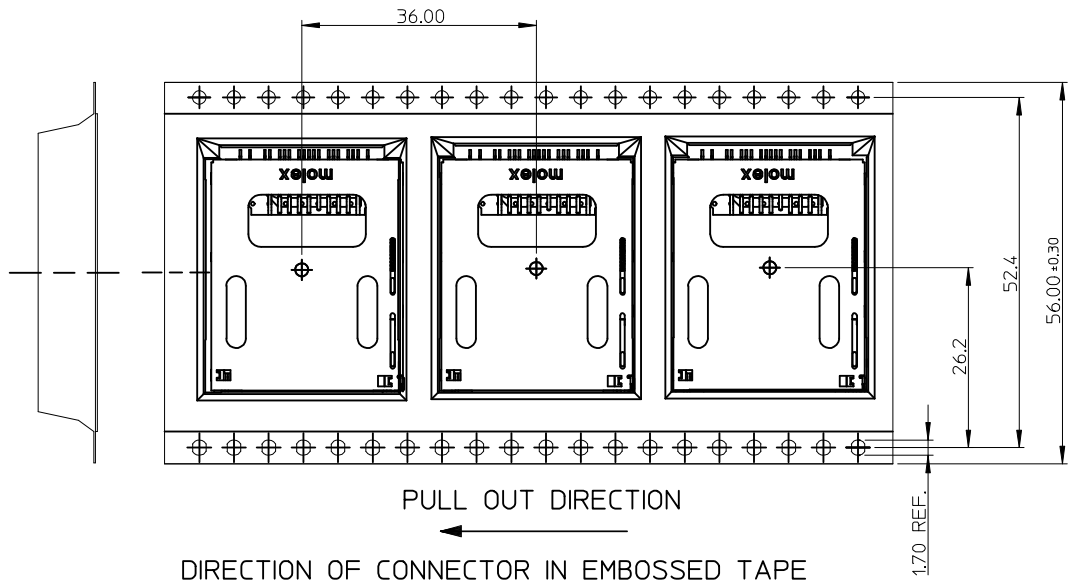
TOP TAPE NON-BONDED PART  
PULL OUT DIRECTION



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 EC NO: SH2009-0083 DRWN: L.SONG CHKD: X.J.SONG APPR: H.WANG	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 °	DRAWN BY: FOX.WU DATE: 2003/09/04 CHECKED BY: W.CHANG DATE: 2003/09/05 APPROVED BY: E.LAN DATE: 2003/09/05		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. 480002001	TITLE 3 IN 1 MEMORY COMBO CONNECTOR PUSH PUSH TYPE			
					SIZE A3	MOLEX INCORPORATED DOCUMENT NO. SD-48000-201 SHEET NO. 5 OF 5			