

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0473621003

Status:

Active

Overview:

serial_ata_127_host_receptacles

Description:

1.27mm (.050") Pitch Combo SATA Cable Connector, Straight Type, with Arris on both surface, without bumps, 0.38µm (15µ") Gold (Au), 22 Circuits, Lead Free

Documents:

3D Model

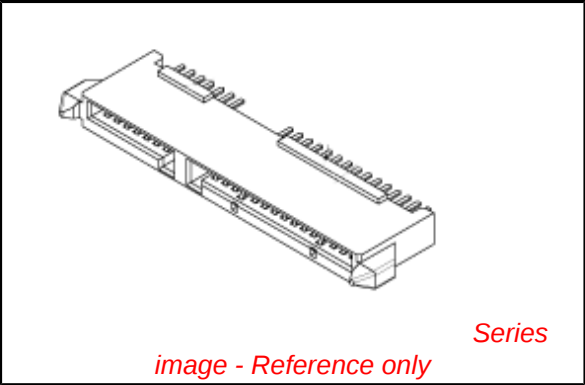
RoHS Certificate of Compliance (PDF)

Drawing (PDF)

General	
Product Family	I/O Connectors
Series	47362
Application	Wire-to-Board
Comments	Straight Type
Component Type	Receptacle
Overview	serial_ata_127_host_receptacles
Product Name	Serial ATA
Type	N/A

Physical	
Boot Color	N/A
Circuits (Loaded)	22
Circuits (maximum)	22
Circuits Detail	Signal 7, Power 15
Color - Resin	Black
Durability (mating cycles max)	50
Gender	Receptacle
Keying to Mating Part	Yes
Lock to Mating Part	None
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Number of Rows	1
Orientation	Straight
PCB Locator	No
PCB Retention	None
Packaging Type	Tray
Panel Mount	No
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Pitch - Term. Interface (in)	0.050 In
Pitch - Term. Interface (mm)	1.27 mm
Plating min: Mating (µin)	15
Plating min: Mating (µm)	0.38
Plating min: Termination (µin)	50
Plating min: Termination (µm)	1.27
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	2
Temperature Range - Operating	-35°C to +85°C
Termination Interface: Style	Solder or Weld
Waterproof / Dustproof	No
Wire Size AWG	N/A

Electrical



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com

For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

47362Series

Current - Maximum per Contact1.5A

Voltage - Maximum15V DC

Material Info

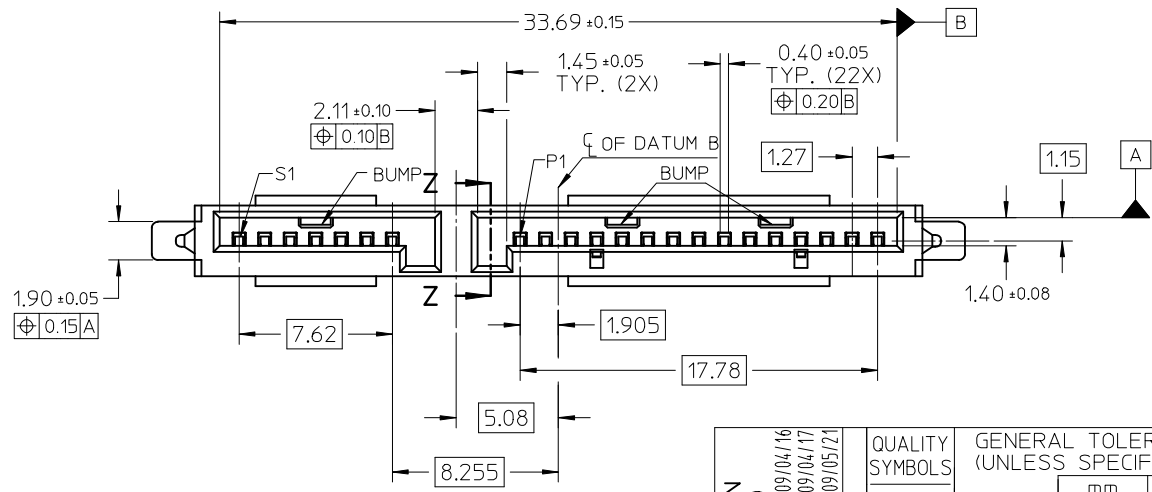
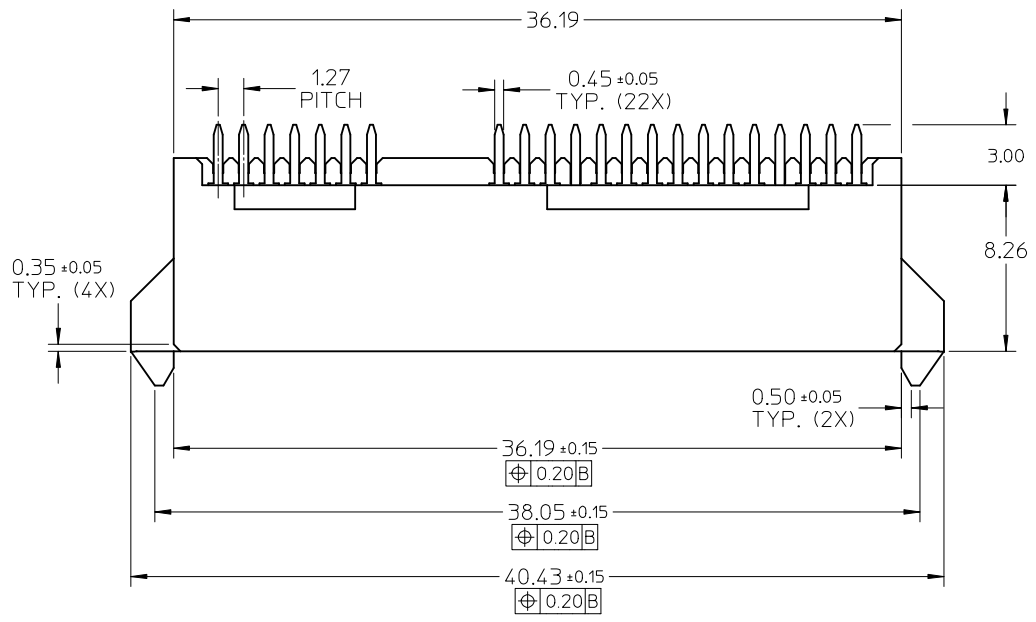
Reference - Drawing Numbers

Sales Drawing

SD-47362-100

This document was generated on 05/19/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



NOTES:

1. MATERIAL:

HOUSING: THERMAL PLASTIC, GLASS FILLED, UL94V-0, COLOR: BLACK.
TERMINAL: COPPER ALLOY, THICKNESS=0.25MM.

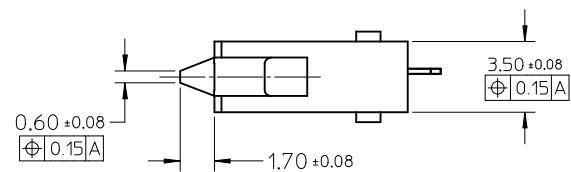
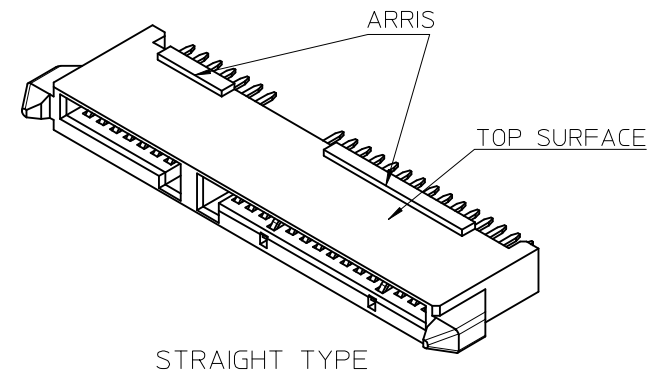
2. TERMINAL PLATING:

CONTACT AREA: GOLD PLATED, SEE TABLE.
SOLDER AREA: PURE TIN, THICKNESS=1.27 MICRONS MINIMUM.
UNDER PLATE: NICKLE, THICKNESS=1.27 MICRONS MINIMUM.

3. PRODUCT SPECIFICATION: REFER TO PS-47362-001.

4. PACKAGING METHOD: REFER TO PK-47362-001.

5. PRODUCT COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND
ELV DIRECTIVE 2000/53/EC



ADD NEW OPTION EC NO: SH2009-0500 DRWN:XJ.SONG 2009/04/16 CHKD:XJ.SONG 2009/04/17 APPR:HWANG 2009/05/21 REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY BCHEN26	DATE 2005/12/05	TITLE COMBO SATA RECEPTACLE CABLE END					
			4 PLACES	± ---	± ---	CHECKED BY DIXON	DATE 2005/12/05						
			3 PLACES	± ---	± ---	APPROVED BY GRATE		DATE 2005/12/05	MOLEX INCORPORATED				
			2 PLACES	± 0.2	± ---	MATERIAL NO. SEE SHEET 4		DOCUMENT NO. SD-47362-100					
			1 PLACE	± 0.25	± ---	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					

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

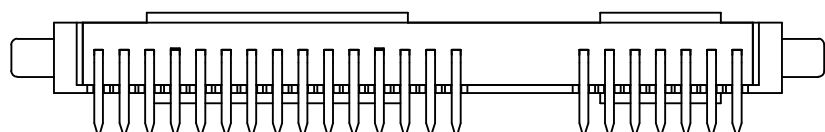
E

D

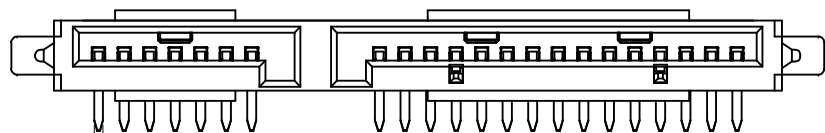
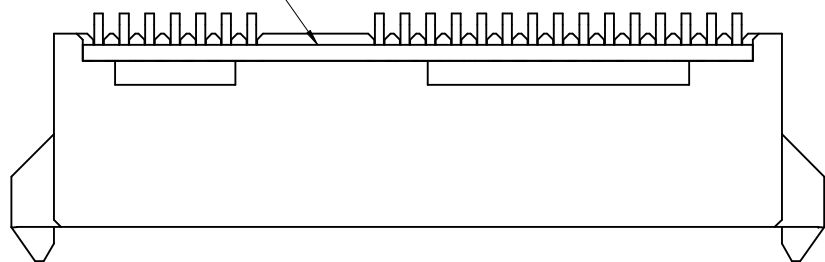
C

B

A

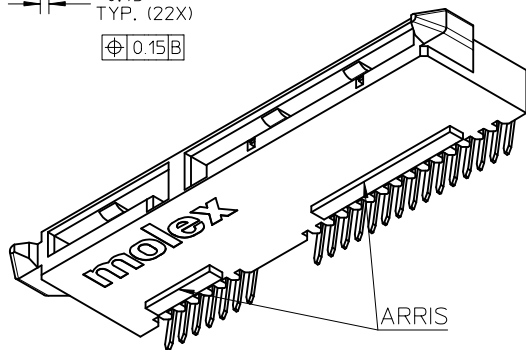


COVER



0,45 ±0,05
TYP. (22X)

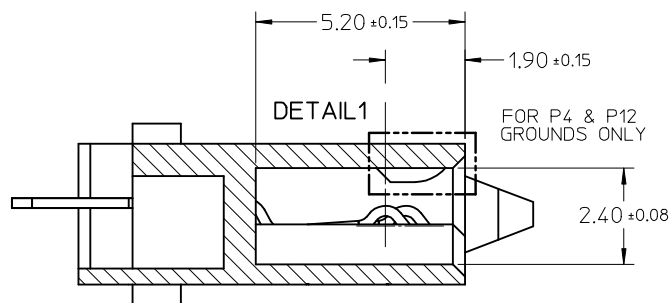
⌀ 0,15 B



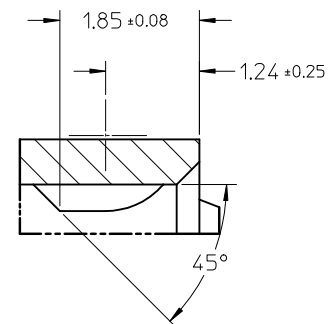
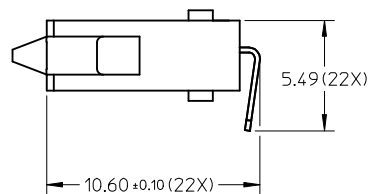
ARRIS

RIGHT ANGLE(90 DEGREE) TYPE

OTHER DIMENSIONS REFER TO STRAIGHT TYPE

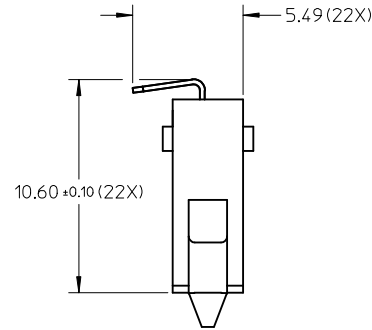
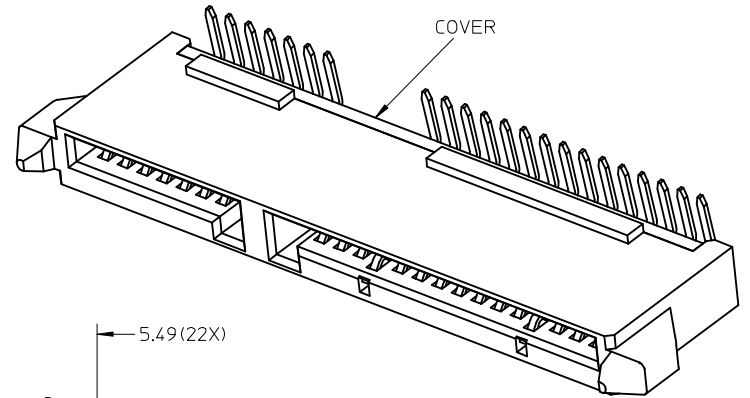
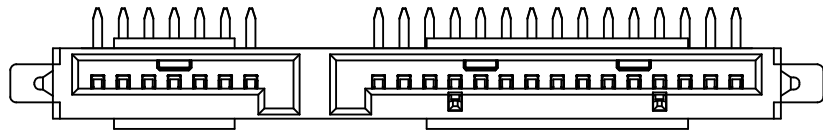
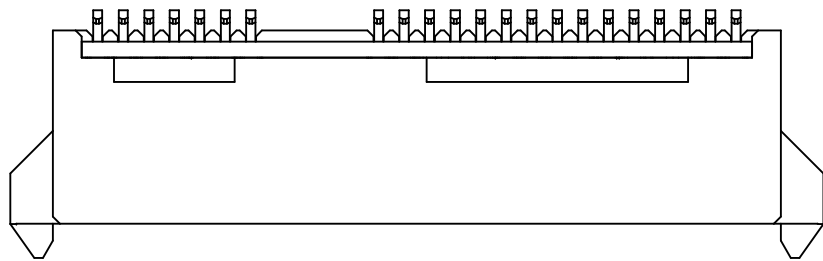
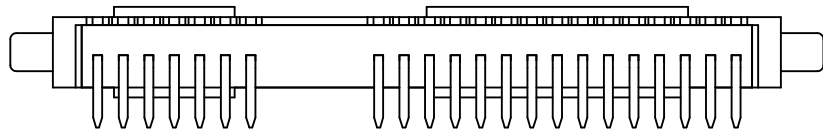


SECTION Z-Z



DETAIL1

SEE SHEET1 EC NO: SH2009-0500 2009/04/16 DRWN:XJ.SONG 2009/04/17 CHKD:XJ.SONG 2009/05/21 APPR:HWANG	QUALITY SYMBOLS ▽=0 ▽C=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
			mm		INCH		DRAWN BY BCHEN26	DATE 2005/12/05	TITLE COMBO SATA RECEPTACLE CABLE END				
			4 PLACES	± ---	± ---	CHECKED BY DIXON	DATE 2005/12/05						
			3 PLACES	± ---	± ---	APPROVED BY GRATE	DATE 2005/12/05						
			2 PLACES	± 0.2	± ---	MATERIAL NO. SEE SHEET4		DOCUMENT NO. SD-47362-100		SHEET NO. 2 OF 4			
			1 PLACE	± 0.25	± ---	SIZE A3							
			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				



RIGHT ANGLE(270 DEGREE) TYPE
OTHER DIMENSIONS REFER TO RIGHT ANGLE(90 DEGREE) TYPE

SEE SHEET1 EC NO: SH2009-0500 DRWN:X JSONG CHKD:X JSONG APPR:HWANG	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION 			
				mm	INCH	DRAWN BY BCHEN26	DATE 2005/12/05	TITLE COMBO SATA RECEPTACLE CABLE END				
			4 PLACES	± ---	± ---	CHECKED BY DIXON	DATE 2005/12/05					
			3 PLACES	± ---	± ---	APPROVED BY GRATE		DATE 2005/12/05	MOLEX INCORPORATED			
			2 PLACES	± 0.2	± ---	MATERIAL NO.		DOCUMENT NO.				
			1 PLACE	± 0.25	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET4		SD-47362-100		
					ANGULAR ± 3 °		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	
P/N		PLATE TYPE		REMARK		STRAIGHT OR R/A		P/N		PLATE TYPE		REMARK		STRAIGHT OR R/A					
F	47362-1000	GOLD FLASH		WITH ARRIS ON BOTH SURFACE WITH BUMPS		STRAIGHT TYPE		47362-3000		GOLD FLASH		WITH ARRIS ON BOTH SURFACE WITH BUMPS,WITH COVER		RIGHT ANGLE TYPE (270 DEGREE)					
	47362-1001	GOLD PLATED 0.76 MICRONS MIN.						47362-3001		GOLD PLATED 0.76 MICRONS MIN.									
	47362-1002	GOLD PLATED 0.38 MICRONS MIN.						47362-3002		GOLD PLATED 0.38 MICRONS MIN.									
	47362-1010	GOLD FLASH		47362-3010				GOLD FLASH											
	47362-1011	GOLD PLATED 0.76 MICRONS MIN.		WITH ARRIS ON TOP SURFACE WITH BUMPS				47362-3011		GOLD PLATED 0.76 MICRONS MIN.		WITH ARRIS ON TOP SURFACE WITH BUMPS,WITH COVER							
	47362-1012	GOLD PLATED 0.38 MICRONS MIN.						47362-3012		GOLD PLATED 0.38 MICRONS MIN.									
47362-1020	GOLD FLASH		47362-3020			GOLD FLASH													
E	47362-1021	GOLD PLATED 0.76 MICRONS MIN.		WITH ARRIS ON BOTTOM SURFACE WITH BUMPS		47362-3021		GOLD PLATED 0.76 MICRONS MIN.		WITH ARRIS ON BOTTOM SURFACE WITH BUMPS,WITH COVER									
	47362-1022	GOLD PLATED 0.38 MICRONS MIN.				47362-3022		GOLD PLATED 0.38 MICRONS MIN.											
	47362-1030	GOLD FLASH				47362-3030		GOLD FLASH											
	47362-1031	GOLD PLATED 0.76 MICRONS MIN.		WITHOUT ARRIS WITH BUMPS		47362-3031		GOLD PLATED 0.76 MICRONS MIN.		WITHOUT ARRIS WITH BUMPS,WITH COVER									
	47362-1032	GOLD PLATED 0.38 MICRONS MIN.				47362-3032		GOLD PLATED 0.38 MICRONS MIN.											
D	47362-2000	GOLD FLASH		WITH ARRIS ON BOTH SURFACE WITH BUMPS,WITH COVER		RIGHT ANGLE TYPE (90 DEGREE)													
	47362-2001	GOLD PLATED 0.76 MICRONS MIN.																	
	47362-2002	GOLD PLATED 0.38 MICRONS MIN.																	
	47362-2010	GOLD FLASH		WITH ARRIS ON TOP SURFACE WITH BUMPS,WITH COVER															
	47362-2011	GOLD PLATED 0.76 MICRONS MIN.																	
	47362-2012	GOLD PLATED 0.38 MICRONS MIN.																	
	47362-2020	GOLD FLASH		WITH ARRIS ON BOTTOM SURFACE WITH BUMPS,WITH COVER															
	47362-2021	GOLD PLATED 0.76 MICRONS MIN.																	
	47362-2022	GOLD PLATED 0.38 MICRONS MIN.																	
47362-2030	GOLD FLASH		WITHOUT ARRIS WITH BUMPS,WITH COVER																
47362-2031	GOLD PLATED 0.76 MICRONS MIN.																		
47362-2032	GOLD PLATED 0.38 MICRONS MIN.																		
C	47362-1003	GOLD PLATED 0.38 MICRONS MIN.		WITH ARRIS ON BOTH SURFACE WITHOUT BUMPS		STRAIGHT TYPE													
	47362-1082	GOLD PLATED 0.38 MICRONS MIN.		WITH ARRIS ON BOTH SURFACE WITH BUMPS		STRAIGHT TYPE													
SEE SHEET1 EC NO: SH2009-0500 DRAWN:XJSONG 2009/04/16 CHKD:XJSONG 2009/04/17 APPR:HMWANG 2009/05/21 QUALITY SYMBOLS ▽=0 ▽=0 GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.2 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DIMENSION STYLE MM ONLY DRAWN BY DATE BCHEN26 2005/12/05 CHECKED BY DATE DIXON 2005/12/05 APPROVED BY DATE GRATE 2005/12/05 MATERIAL NO. SEE TABLE SCALE 4:1 TITLE COMBO SATA RECEPTACLE CABLE END DESIGN UNITS METRIC THIRD ANGLE PROJECTION MOLEX INCORPORATED SD-47362-100 SHEET NO. 4 OF 4 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			
fb_frame_A3_P_AM_T Rev. E 2006/04/15		9		8		7		6		5		4		3		2		1	