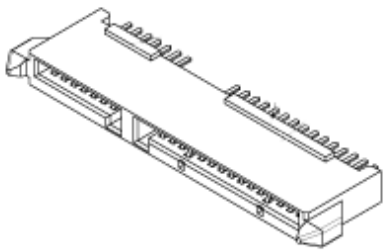
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This document was generated on 05/19/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0473621001
Status: Active
Overview: serial_ata_127_host_receptacles
Description: 1.27mm (.050") Pitch Combo SATA Cable Connector, Straight Type, with Arris on both surface, with bumps, 0.76µm (30µ") Gold(Au) Plating, 22 Circuits, LeadFree



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-47362-001 (PDF)
RoHS Certificate of Compliance (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	Yes
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)	30
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	50
Plating min: Termination (µm)	1.27
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	2
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-35°C to +85°C
Termination Interface: Style	Solder or Weld
Waterproof / Dustproof	No
Wire Size AWG	N/A

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Not Halogen-Free

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

Electrical

Current - Maximum per Contact	1.5A
Voltage - Maximum	15V DC

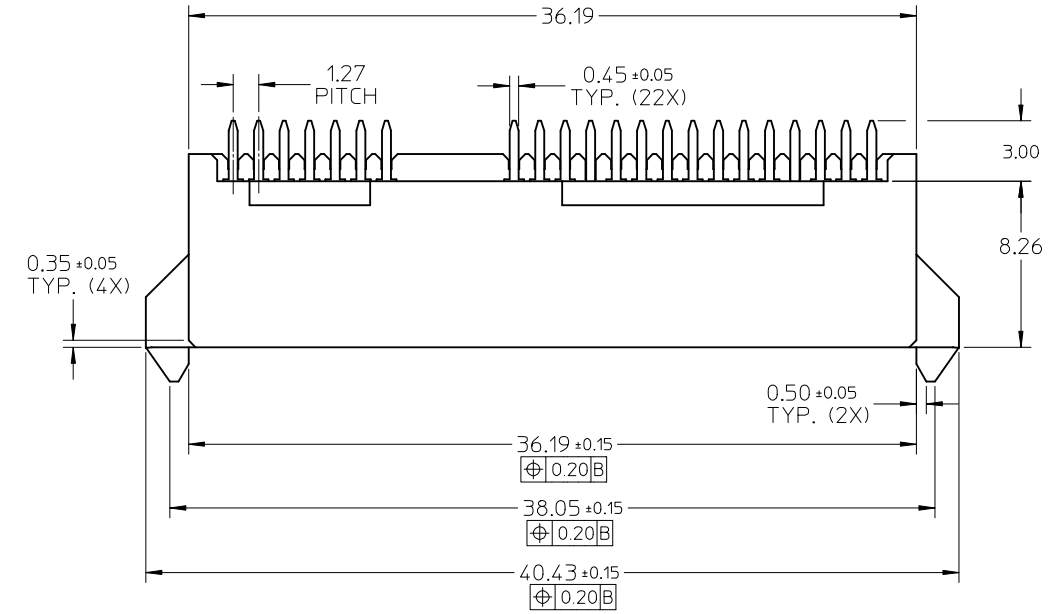
Material Info

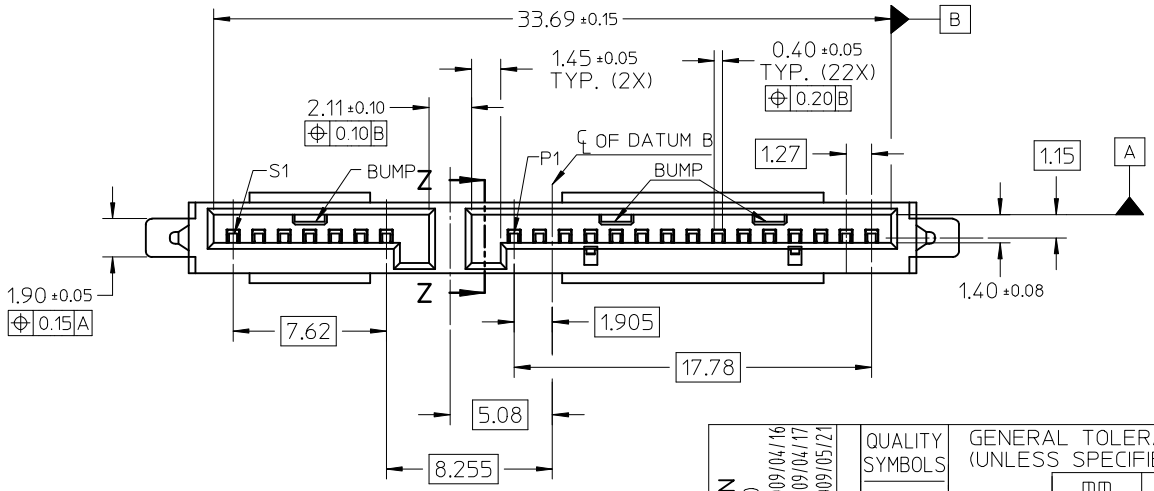
Reference - Drawing Numbers

Packaging Specification	PK-47362-001
Product Specification	PS-47362-001
Sales Drawing	SD-47362-100

This document was generated on 05/19/2010

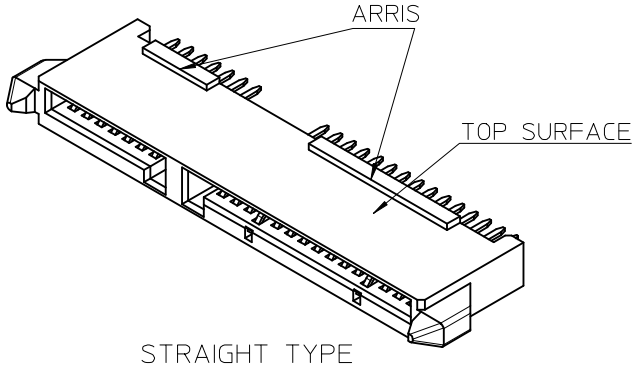
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



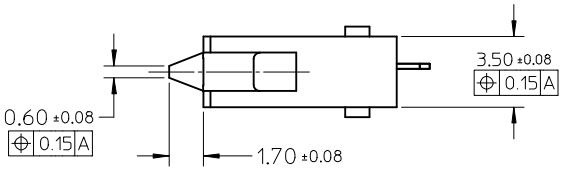


NOTES:

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



STRAIGHT TYPE



REV	DESCRIPTION	
H	ADD NEW OPTION	2009/04/16
	EC NO: SH2009-0500	2009/04/17
	DRWN:XJSONG	2009/05/21
	CH'KD:XJSONG	
	APPR:HWWANG	

QUALITY SYMBOLS
▼=0
Ⓒ▽=0

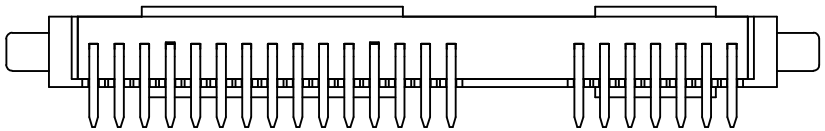
GENERAL TOLERANCES (UNLESS SPECIFIED)

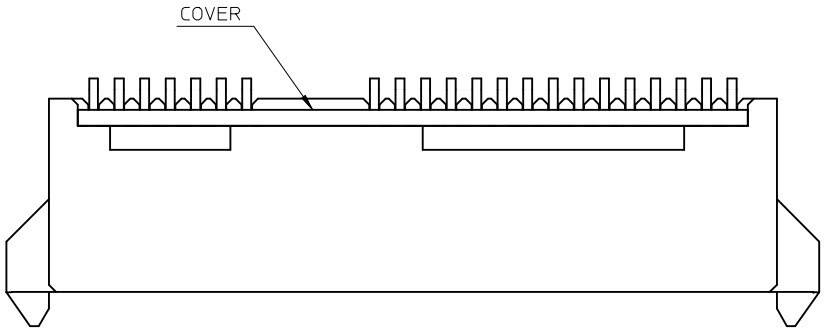
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.2	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 3 °		

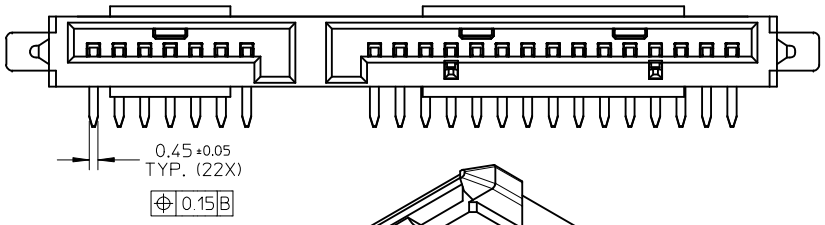
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

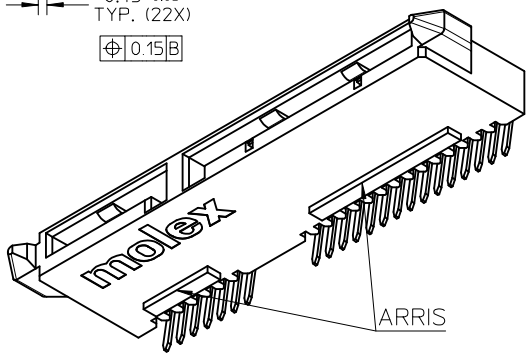
DIMENSION STYLE	MM ONLY
SCALE	4:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	BCHEN26
DATE	2005/12/05
CHECKED BY	DIXON
DATE	2005/12/05
APPROVED BY	GRATE
DATE	2005/12/05
MATERIAL NO.	SEE SHEET4
TITLE	COMBO SATA RECEPTACLE CABLE END
	MOLEX INCORPORATED
DOCUMENT NO.	SD-47362-100
SHEET NO.	1 OF 4
SIZE	A3

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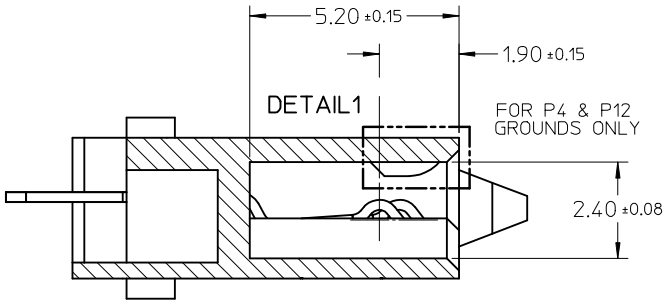




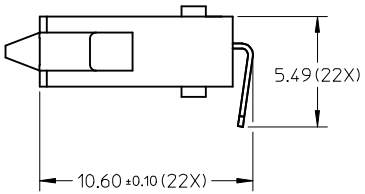


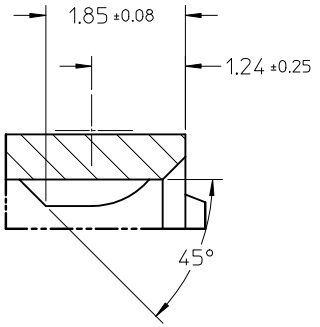
RIGHT ANGLE(90 DEGREE) TYPE

OTHER DIMENSIONS REFER TO STRAIGHT TYPE



SECTION Z-Z





DETAIL1

SEE SHEET1			
EC NO: SH2009-0500	2009/04/16		
DRWN:XJSONG	2009/04/17		
CH'KD:XJSONG	2009/05/21		
APPR:HWWANG			
DESCRIPTION			
REV			

QUALITY SYMBOLS
▼=0
Ⓒ=0

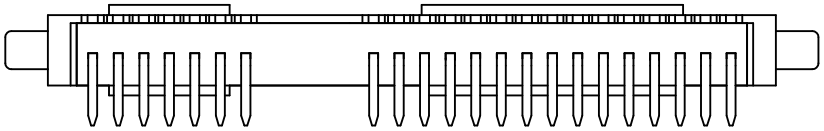
GENERAL TOLERANCES (UNLESS SPECIFIED)

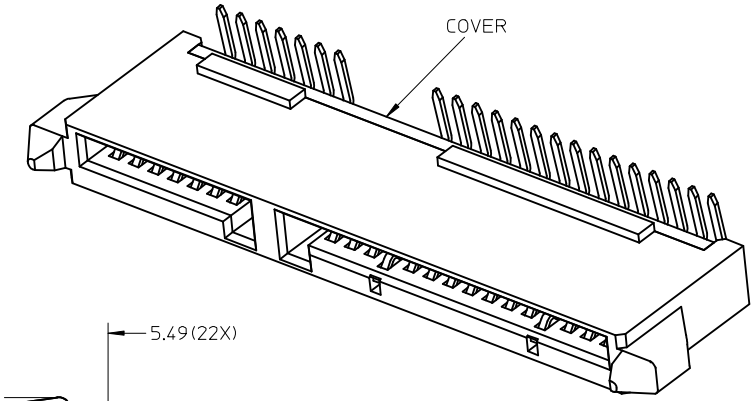
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.2	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 3 °		

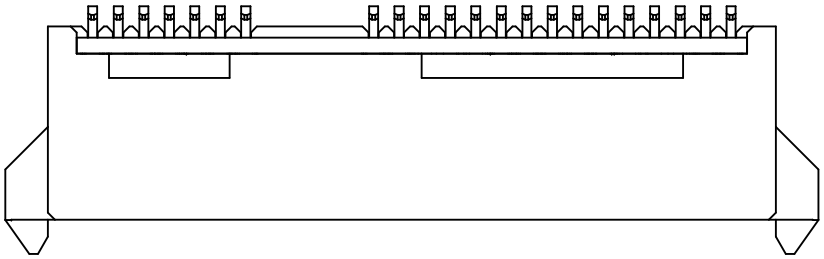
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

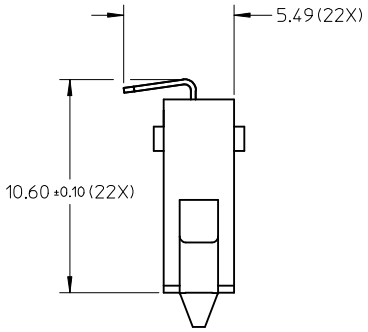
DIMENSION STYLE	MM ONLY
SCALE	4:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	BCHEN26
DATE	2005/12/05
CHECKED BY	DIXON
DATE	2005/12/05
APPROVED BY	GRATE
DATE	2005/12/05
MATERIAL NO.	SEE SHEET4
TITLE	COMBO SATA RECEPTACLE CABLE END
	MOLEX INCORPORATED
DOCUMENT NO.	SD-47362-100
SHEET NO.	2 OF 4
SIZE	A3

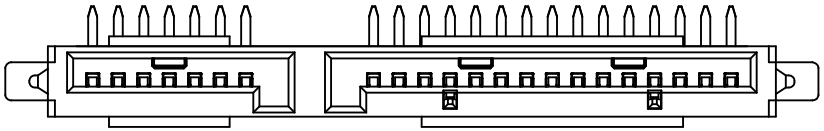
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RIGHT ANGLE(270 DEGREE) TYPE
OTHER DIMENSIONS REFER TO RIGHT ANGLE(90 DEGREE) TYPE

SEE SHEET1				QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE / DESIGN UNITS
EC NO: SH2009-0500	2009/04/16			▼=0		MM ONLY	4:1 / METRIC
DRWN:XJSONG	2009/04/17			▽=0	mm / INCH	DRAWN BY / DATE	TITLE
CHKD:XJSONG	2009/05/21				4 PLACES ± --- / ± ---	BCHEN26 2005/12/05	COMBO SATA RECEPTACLE CABLE END
APPR:HWWANG					3 PLACES ± --- / ± ---	CHECKED BY / DATE	
DESCRIPTION					2 PLACES ± 0.2 / ± ---	DIXON 2005/12/05	
REV					1 PLACE ± 0.25 / ± ---	APPROVED BY / DATE	MOLEX INCORPORATED
H					ANGULAR ± 3 °	GRATE 2005/12/05	
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE SHEET4	DOCUMENT NO. SD-47362-100 / SHEET NO. 3 OF 4
						SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

P/N	PLATE TYPE	REMARK	STRAIGHT OR R/A
47362-1000	GOLD FLASH		
47362-1001	GOLD PLATED 0.76 MICRONS MIN.	WITH ARRIS ON BOTH SURFACE	
47362-1002	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS	
47362-1010	GOLD FLASH		
47362-1011	GOLD PLATED 0.76 MICRONS MIN.	WITH ARRIS ON TOP SURFACE	
47362-1012	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS	STRAIGHT TYPE
47362-1020	GOLD FLASH		
47362-1021	GOLD PLATED 0.76 MICRONS MIN.	WITH ARRIS ON BOTTOM SURFACE	
47362-1022	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS	
47362-1030	GOLD FLASH		
47362-1031	GOLD PLATED 0.76 MICRONS MIN.	WITHOUT ARRIS	
47362-1032	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS	
47362-2000	GOLD FLASH		
47362-2001	GOLD PLATED 0.76 MICRONS MIN.	WITH ARRIS ON BOTH SURFACE	
47362-2002	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS,WITH COVER	
47362-2010	GOLD FLASH		
47362-2011	GOLD PLATED 0.76 MICRONS MIN.	WITH ARRIS ON TOP SURFACE	
47362-2012	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS,WITH COVER	
47362-2020	GOLD FLASH		RIGHT ANGLE TYPE
47362-2021	GOLD PLATED 0.76 MICRONS MIN.	WITH ARRIS ON BOTTOM SURFACE	(90 DEGREE)
47362-2022	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS,WITH COVER	
47362-2030	GOLD FLASH		
47362-2031	GOLD PLATED 0.76 MICRONS MIN.	WITHOUT ARRIS	
47362-2032	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS,WITH COVER	
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

P/N	PLATE TYPE	REMARK	STRAIGHT OR R/A
47362-3000	GOLD FLASH		
47362-3001	GOLD PLATED 0.76 MICRONS MIN.	WITH ARRIS ON BOTH SURFACE	
47362-3002	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS,WITH COVER	
47362-3010	GOLD FLASH		
47362-3011	GOLD PLATED 0.76 MICRONS MIN.	WITH ARRIS ON TOP SURFACE	
47362-3012	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS,WITH COVER	RIGHT ANGLE TYPE
47362-3020	GOLD FLASH		(270 DEGREE)
47362-3021	GOLD PLATED 0.76 MICRONS MIN.	WITH ARRIS ON BOTTOM SURFACE	
47362-3022	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS,WITH COVER	
47362-3030	GOLD FLASH		
47362-3031	GOLD PLATED 0.76 MICRONS MIN.	WITHOUT ARRIS	
47362-3032	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS,WITH COVER	

SEE SHEET1
EC NO: SH2009-0500 2009/04/16
DRWN:XJSONG 2009/04/17
CH'KD:XJSONG 2009/05/21
APPR:HWANG
DESCRIPTION
REV

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
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: BCHEN26 DATE: 2005/12/05
CHECKED BY: DIXON DATE: 2005/12/05
APPROVED BY: GRATE DATE: 2005/12/05

TITLE: COMBO SATA RECEPTACLE CABLE END

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-47362-100
SHEET NO.: 4 OF 4
SIZE: A3

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