This document was generated on 05/24/2010

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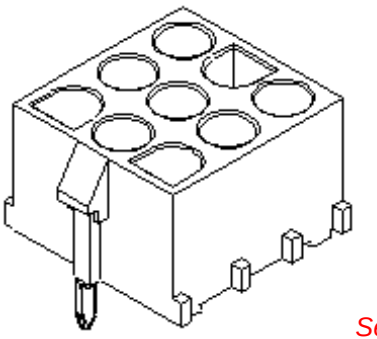
Part Number: 0432550113
Status: Active
Overview: mlx
Description: 6.35mm (.250") Pitch MLX™ Power Connector Header, Vertical, with Plastic Polarizing Peg, 2 Circuits, PA Polyamide Nylon 6/6 94V-2, Tin (Sn) Plating, Natural (Nylon Off White)



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PSX-42002-0001 (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	43255
Application	Wire-to-Board
Comments	High Vibration Application
Overview	mlx
Product Name	MLX™

Physical

Breakaway	No
Circuits (Loaded)	2
Circuits (maximum)	2
Color - Resin	Natural
Durability (mating cycles max)	50
First Mate / Last Break	No
Flammability	94V-2
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Mated Height (in)	1.195 In
Mated Height (mm)	30.35 mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.169 In
PC Tail Length (mm)	4.30 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Bag
Pitch - Mating Interface (in)	0.250 In
Pitch - Mating Interface (mm)	6.35 mm
Pitch - Term. Interface (in)	0.250 In
Pitch - Term. Interface (mm)	6.35 mm
Plating min: Mating (µin)	140
Plating min: Mating (µm)	3.5

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
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
43255Series

Mates With
42021 MLX™ Power Crimp Housing Plug.
42024 MLX Crimp Terminal

Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	13.5A
Voltage - Maximum	600V

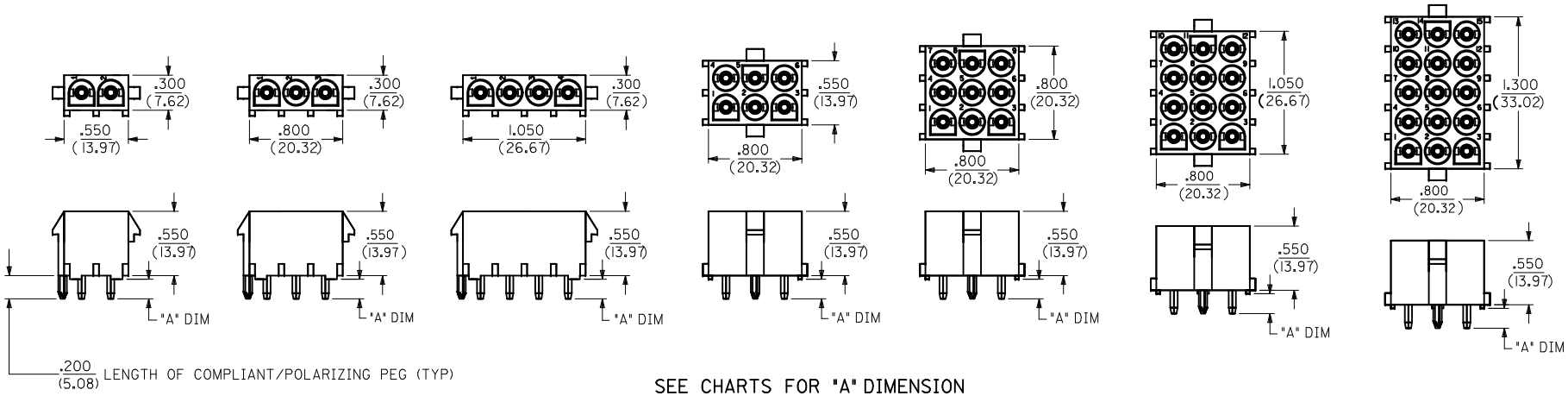
Solder Process Data

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Wave Capable (TH only)
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-43255-001
Product Specification	PSX-42002-0001
Sales Drawing	SDA-43255-00**

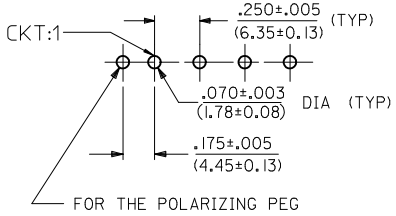


SEE CHARTS FOR "A" DIMENSION

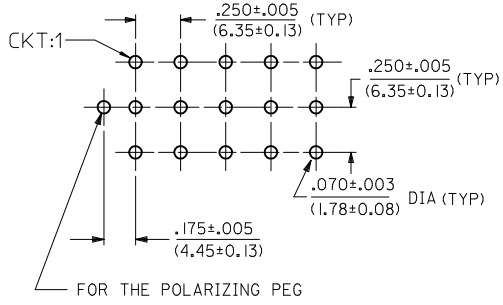
(THE "A" DIMENSION APPLIES TO THE LENGTH OF THE TERMINAL ONLY)

P.C. BOARD MOUNTING DIMENSIONS

2, 3, & 4 POSITION HEADER ASSEMBLIES



6, 9, 12 & 15 POSITION HEADER ASSEMBLIES



NOTES:

1) MATERIAL CODES:
   "A"= UNREINFORCED POLYESTER, 94V-0. COLOR: WHITE
   "C"= NYLON (PA66), UL94V-2. COLOR: NATURAL-TRANSLUCENT
   "D"= NYLON, V-2, COLOUR: BLACK (ZYTEL 101F)
   "E"= PA6, SCHULAMID V-2 GRADE, CTI=325V,
   GLOW WIRE COMPATIBLE
   COLOUR: NATURAL-WHITE
2) PLATING CODES:
   "A" = TIN 140 m.I(3.50 MICRONS) TO 240 m.I (6.00 MICRONS)
3) TERMINAL LENGTH CODES:
   I= TERMINAL FOR .062/(1.57) THICK PC BOARD
4) DIMENSIONS ARE FOR REFERENCE ONLY UNLESS INDICATED OTHERWISE.
5) HEADER ASSEMBLY HOUSINGS MATE WITH :
   - PLUG HOUSINGS, .084/(2.13) DIA. SERIES: (42021-**)
6) CONTACTS ARE ON .250/(6.35) GRID CENTERLINESPACING.
7) PACKAGING SPECIFICATION:
   'A' - PK-43255-001, PK-43255-002, PK-43255-003
   'B' - PK-36518-292

RoHS COMPLIANT

ENTER DESCRIPTION
EC NO: 12010-0191
DRWN:HMR01 2009/12/31
CHKD:KPRASAD 2010/01/05
APPR:KPRASAD 2010/01/13
DESCRIPTION
E2
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± 0.005
2 PLACES	± 0.13	± 0.01
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	IN/MM
SCALE	1:1
DESIGN UNITS	INCH
	THIRD ANGLE PROJECTION
DRAWN BY	SUDHIR
DATE	2004/06/08
CHECKED BY	GJLOWE
DATE	2004/06/08
APPROVED BY	GJLOWE
DATE	2004/06/08
MATERIAL NO.	SEE CHART
DOCUMENT NO.	SDA-43255-00**
SHEET NO.	1 OF 2
SIZE	A2

TITLE: HEADER HOUSING ASSEMBLY .084/(2.13) SERIES COMPLIANT-POLARIZING PEG

molex MOLEX INCORPORATED

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

ITEM NO.	CIRCUIT SIZE	MATERIAL COLOR (SEE NOTE 1)	PIN (1) OR SOCKET (2) TERMINALS	TERMINAL PLATING (SEE NOTE 2)	TERMINAL LENGTH (SEE NOTE 3)	"A" DIM ±.015	PACKAGING (SEE NOTE 7)
43255-0003	2	A	2	A	1	.17/(4,3)	A
43255-0059		A	1	A	1		A
43255-0113		C	1	A	1		A
43255-0115		C	2	A	1		A
36759-0021		D	1	A	1		A
36759-0061		D	2	A	1		A
36757-0021		E	1	A	1		A
36757-0061		E	2	A	1		A
43255-0011	3	A	2	A	1	.17/(4,3)	A
43255-0067		A	1	A	1		A
43255-0121		C	1	A	1		A
43255-0123		C	2	A	1		A
36759-0022		D	1	A	1		A
36759-0062		D	2	A	1		A
36757-0022		E	1	A	1		A
36757-0062		E	2	A	1		A
43255-0019	4	A	2	A	1	.17/(4,3)	A
43255-0075		A	1	A	1		A
43255-0129		C	1	A	1		A
43255-0131		C	2	A	1		A
36759-0023		D	1	A	1		A
36759-0063		D	2	A	1		A
36757-0023		E	1	A	1		A
36757-0063		E	2	A	1		A
43255-0027	6	A	2	A	1	.17/(4,3)	A
43255-0083		A	1	A	1		A
43255-0137		C	1	A	1		A
43255-0139		C	2	A	1		A
36759-0024		D	1	A	1		A
36759-0064		D	2	A	1		A
36757-0024		E	1	A	1		A
36757-0064		E	2	A	1		A
43255-0035	9	A	2	A	1	.17/(4,3)	A
43255-0091		A	1	A	1		A
43255-0145		C	1	A	1		A
43255-0147		C	2	A	1		A
36759-0025		D	1	A	1		A
36759-0065		D	2	A	1		A
36757-0025		E	1	A	1		A
36757-0065		E	2	A	1		A
43255-0043	12	A	2	A	1	.17/(4,3)	A
43255-0099		A	1	A	1		A
43255-0153		C	1	A	1		A
43255-0155		C	2	A	1		A
36759-0026		D	1	A	1		A
36759-0066		D	2	A	1		A
36757-0026		E	1	A	1		A
36757-0066		E	2	A	1		A
43255-0051	15	A	2	A	1	.17/(4,3)	A
43255-0107		A	1	A	1		A
43255-0161		C	1	A	1		A
43255-0163		C	2	A	1		A
36759-0027		D	1	A	1		A
36759-0067		D	2	A	1		A
36757-0027		E	1	A	1		A
36757-0067		E	2	A	1		A
36766-0001	2	C	1	A	1	.17/(4,3)	B
36766-0002	3	C	1	A	1		B
36766-0003	4	C	1	A	1		B

RoHS COMPLIANT

ENTER DESCRIPTION
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: SUDHIR DATE: 2004/06/08
CHECKED BY: GJLOWE DATE: 2004/06/08
APPROVED BY: GJLOWE DATE: 2004/06/08

TITLE: HEADER HOUSING ASSEMBLY .084/(2,13) SERIES COMPLIANT-POLARIZING PEG

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SDA-43255-00**
SHEET NO.: 2 OF 2

SIZE A1

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