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Part Number: [0432550107](#)
Status: **Active**
Overview: [mlx](#)
Description: 6.35mm (.250") Pitch MLX™ Power Connector Header, Vertical, with Plastic Polarizing Peg, 17 Circuits, Polyester 94V-0, Tin Plating, White, Lead-free

Documents:
[3D Model](#) [Product Specification PSX-42002-0001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

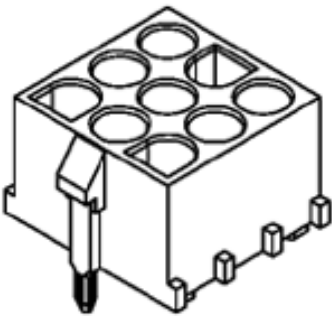
CSA LR19980
UL E29179

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) 15
Circuits (maximum) 15
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 Polyester
Number of Rows 3
Orientation Vertical
PC Tail Length (in) 0.170 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) 1.57 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
Polarized to Mating Part Yes



Series

image - Reference only

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 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	9A
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-43255-003
Product Specification	PSX-42002-0001

This document was generated on 05/24/2010

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	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
	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													
M	43255-0057	2	A	2	A	1	.17/(4,3)													
	43255-0058		A	2	B	1														
	43255-0059		B	1	A	1														
	43255-0060		B	1	B	1														
	43255-0061		A	2	A	2	.23/(5,8)													
	43255-0062		A	2	B	2														
L	43255-0063	3	B	1	A	2														
	43255-0064		B	1	B	2														
	43255-0065		A	2	A	1	.17/(4,3)													
	43255-0066		A	2	B	1														
	43255-0067		B	1	A	1														
	43255-0068		B	1	B	1														
K	43255-0069	4	A	2	A	2	.23/(5,8)													
	43255-0070		A	2	B	2														
	43255-0071		B	1	A	2														
	43255-0072		B	1	B	2														
	43255-0073		A	2	A	1	.17/(4,3)													
	43255-0074		A	2	B	1														
J	43255-0075	6	B	1	A	1														
	43255-0076		B	1	B	1														
	43255-0077		A	2	A	2	.23/(5,8)													
	43255-0078		A	2	B	2														
	43255-0079		B	1	A	2														
	43255-0080		B	1	B	2														
I	43255-0081	9	A	2	A	1	.17/(4,3)													
	43255-0082		A	2	B	1														
	43255-0083		B	1	A	1														
	43255-0084		B	1	B	1														
	43255-0085		A	2	A	2	.23/(5,8)													
	43255-0086		A	2	B	2														
H	43255-0087	12	B	1	A	2														
	43255-0088		B	1	B	2														
	43255-0089		A	2	A	1	.17/(4,3)													
	43255-0090		A	2	B	1														
	43255-0091		B	1	A	1														
	43255-0092		B	1	B	1														
G	43255-0093	15	A	2	A	2	.23/(5,8)													
	43255-0094		A	2	B	2														
	43255-0095		B	1	A	2														
	43255-0096		B	1	B	2														
	43255-0097		A	2	A	1	.17/(4,3)													
	43255-0098		A	2	B	1														
F	43255-0099	15	B	1	A	1														
	43255-0100		B	1	B	1														
	43255-0101		A	2	A	2	.23/(5,8)													
	43255-0102		A	2	B	2														
	43255-0103		B	1	A	2														
	43255-0104		B	1	B	2														
E	43255-0105	15	A	2	A	1	.17/(4,3)													
	43255-0106		A	2	B	1														
	43255-0107		B	1	A	1														
	43255-0108		B	1	B	1														
	43255-0109		A	2	A	2	.23/(5,8)													
	43255-0110		A	2	B	2														
	43255-0111		B	1	A	2														
	43255-0112		B	1	B	2														

EC NO: D2007-0146
DRAWN BY: CHOKKOSUDHIR
CHKD BY: SSUDHIR
APPV: SSUDHIR

2006/11/03
2006/11/03
2006/11/03

QUALITY SYMBOLS
▽=0
▽=0

DESCRIPTION

REV

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± ± ± ±
3 PLACES ± ± ± ±
2 PLACES ± ± ± ±
1 PLACE ± ± ± ±
ANGULAR ± ± ± ±

DIMENSION STYLE
IN/MM
DRAWN BY: SSUDHIR
CHECKED BY: GJLOWE
APPROVED BY: GJLOWE
DATE: 2004/06/08
DATE: 2004/06/08
DATE: 2004/06/08

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

SIZE
A 1

SCALE

INCH

DESIGN UNITS
INCH

THIRD ANGLE PROJECTION

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DOCUMENT NO.
SDA-43255-00**

SHEET NO.
3 OF 4

RoHS COMPLIANT

lb_frame_A1_P_ME.T
Rev. D 2004/04/02