

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0008580121

Status:

Active

Overview:

kk

Description:

3.96mm (.156") Pitch KK® Crimp Terminal 2478, 18-24 AWG, Reel, Phosphor Bronze, 0.51µm (20µ") Selective Gold (Au)

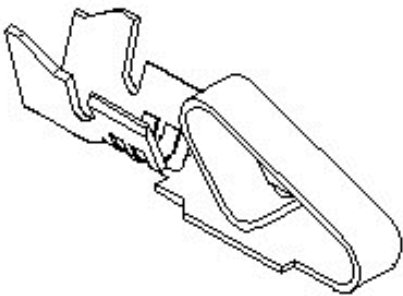
Documents:

Drawing (PDF)

Product Specification PS-08-50 (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	Crimp Terminals
Series	2478
Crimp Quality Equipment	Yes
Overview	kk
Product Name	KK®
Physical	
Gender	Female
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Packaging Type	Reel
Plating min: Mating (µin)	15
Plating min: Mating (µm)	0.375
Plating min: Termination (µin)	2
Plating min: Termination (µm)	0.05
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	2.79mm (.110") max.
Wire Size AWG	18, 20, 22, 24
Wire Size mm²	N/A
Material Info	
Old Part Number	2478-3-(550)
Reference - Drawing Numbers	
Product Specification	PS-08-50
Sales Drawing	SD-2478



Series

image - Reference only

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

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

2478Series

Use With

2574 , 2139 , 41695 , 3069 , 6422 , 5265 , 5239

Application Tooling FAQ	
Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.	
Global	
Description	Product #
Extraction Tool	0011030016
Terminator Die	0011402096
Hand Crimper	0638117500
FineAdjust™	0639007200
Applicator for KK® and Trifurcon™	
Crimp Terminal	
FineAdjust for Mini-Fit Jr.™	0639007300

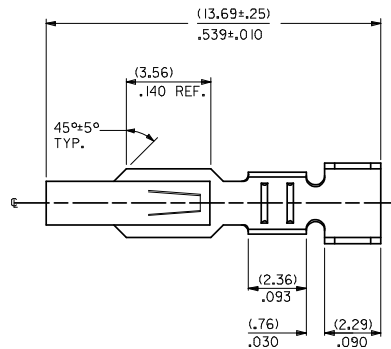
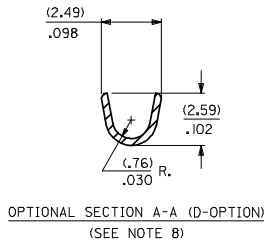
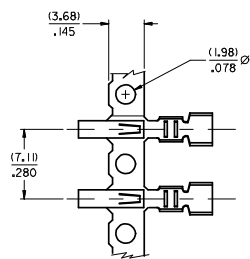
Crimp Terminals

Special
cut-off tab width
for 2478 Series
terminals using the
7241 Series IDT
housing only. 2478
Series terminals
are not rated for
USCAR21compliance.

This document was generated on 06/07/2010

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20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



MATERIAL CODE
(.27)/.0106 THK
1=BRASS
3=PHOS BRONZE

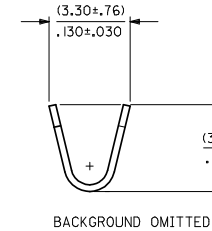
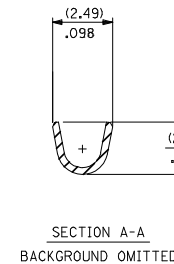
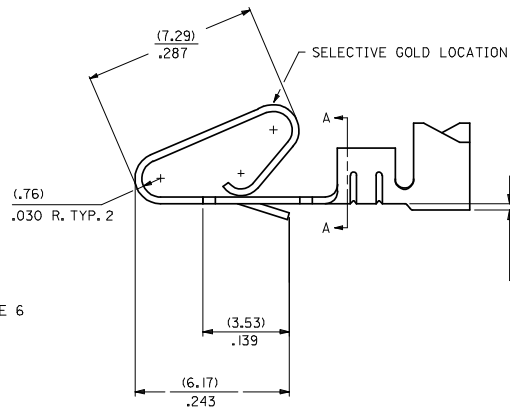
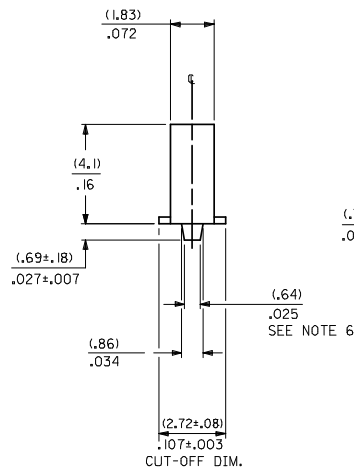
2478- * - * - *

WINDING SPEC.
A=PER ES-339-A
BLANK=PER ES-339-B
L=LOOSE

OPTION CODE
BLANK=AS SHOWN
C=CAT EAR OPTION
D=OPTIONAL CONDUCTOR
CRIMP (FOR IRELAND)
(SEE OPT. SECTION A-A)
WITHOUT CAT EARS
E=LOW INSERTION
FORCE OPTION

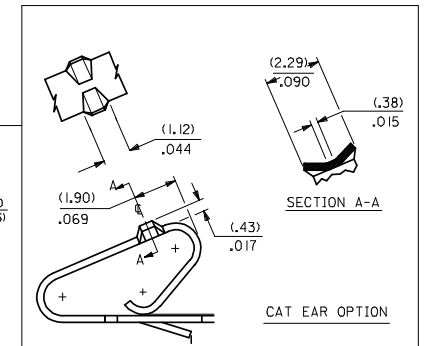
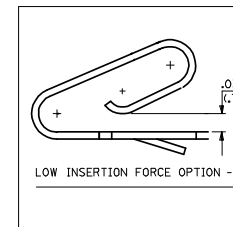
FINISH: PER SDES-88
(P909) *OVERALL HOT TIN DIP: 2.54 MICROMETERS MIN.
(550) SELECT GOLD: 0.38 MICROMETERS MIN.
OVERALL GOLD FLASH: 0.05 MICROMETERS MIN.
OVERALL NICKEL UNDERPLATE: 0.76 MICROMETERS MIN.
(555) SELECT GOLD: 0.38 MICROMETERS MIN.
OVERALL NICKEL UNDERPLATE: 0.76 MICROMETERS MIN.

*THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO
RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE
2000/53/EC". CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT
WITH TIN/LEAD PLATING.



NOTES:

1. CRIMP ACCEPTS 18 TO 24 GA. WIRE WITH (2.79)/.110 MAX. INSUL. DIA.; WHEN USED WITH 2574 CONNECTOR, (2.54)/.100 MAX. INSUL. DIA. WHEN USED WITH 2139 CONNECTOR; HOUSING 41695 IS RECOMMENDED FOR OVER (2.54)/.100 DIA. INSULATION. CRIMP ACCEPTS (3.00)/.118 MAX. INSUL. DIA. WITH SPECIAL TOOLING.
2. DIMENSIONS GIVEN ACROSS CENTERLINES ARE SYMMETRICAL ABOUT THOSE CENTERLINES WITHIN HALF THE TOTAL TOLERANCE.
- 3.
6. (.86±.05)/.034±.002 IS AN OPTIONAL DESIGN.
7. THIS PART CONFORMS TO PRODUCT SPEC. 08-50.
8. CONDUCTOR CRIMP FOR 16 AWG. WIRE WITH .110 MAX. INSULATION DIA.



CHANGE TO ME10 EC NO: UCP2005-0902 DRAWN BY: DRWADATINOL 2004/11/16 CHKD BY: SAMIEC 2006/03/12/8 APPROVED BY: MARGULIS 2004/11/02/8	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION			
		mm INCH		DRAWN BY	DATE	TITLE					
		4 PLACES ±.--- ±.---		SAMIEC	06/03/86	CRIMP TERMINAL					
		3 PLACES ±.--- ±.010		CHECKED BY	DATE	.156 CENTERS					
		2 PLACES ±.025 ±.014		PATEL	06/03/86	18 TO 24 GA WIRE					
		1 PLACE ±.036 ±.---		APPROVED BY	DATE	 MOLEX INCORPORATED					
		ANGULAR ±1/2°		LENZ	06/03/86						
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART					DOCUMENT NO. SD-2478	SHEET NO. 1 OF 2	
		REV	DESCRIPTION	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

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