

Note 10:

KEY KM3000 and KM4000 Molex two pole power plug

Note: TVRG can now supply a new MOLEX 2 way plug and pins kit that will match the socket on the power lead at back of the radio. Go to www.tvrg.org.uk for current prices. (This is probably the best option to produce a power lead rather than just removing the existing connector). Remember to fit a 8A fuse in the +VE lead to protect the radio.

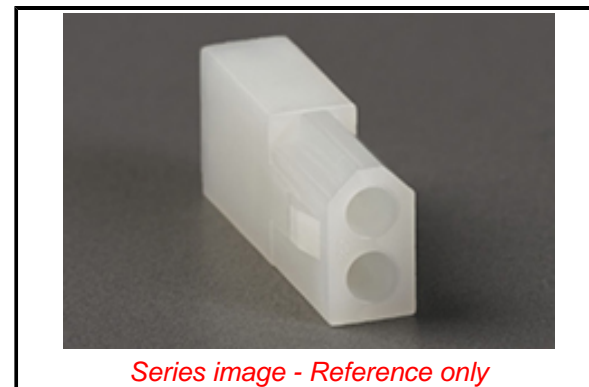
Here is the manufacturers data sheet for the Molex 2 pin power plug used on KM3000 and KM4000 radios.

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [1501781020](#)
Status: **Active**
Overview: [EconoLatch® Wire-to-Wire Interconnects](#)
Description: [EconoLatch® Receptacle Housing, Single Row, 2 Circuits](#)

Documents:

Drawing (PDF)	Test Summary 1501760001-TS-000 (PDF)
Product Specification 1501760001-PS-000 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification 1501760001-AS-000 (PDF)	Product Literature (PDF)
Packaging Specification PK-150176-001-001 (PDF)	



Series image - Reference only

Agency Certification

UL E29179

General

Product Family	Crimp Housings
Series	150178
Application	Power, Wire-to-Wire
Overview	EconoLatch® Wire-to-Wire Interconnects
Product Literature Order No	987651-5541
Product Name	EconoLatch®
UPC	889056490351

Physical

Circuits (maximum)	2
Color - Resin	Natural
Flammability	94V-2
Gender	Receptacle
Glow-Wire Compliant	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Resin	Nylon
Net Weight	0.687/g
Number of Rows	1
Packaging Type	Bag
Panel Mount	N/A
Pitch - Mating Interface	3.68mm
Pitch - Termination Interface	3.68mm
Polarized to Mating Part	Yes
Stackable	No
Temperature Range - Operating	-40°C to +105°C

Material Info

Reference - Drawing Numbers

Application Specification	1501760001-AS-000
Packaging Specification	PK-150176-001-001
Product Specification	1501760001-PS-000
Sales Drawing	SD-150178-001-000
Test Summary	1501760001-TS-000

EU ELV

Compliant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/01/2017 (12
January 2017)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS	Green Image
ELV	Compliant
RoHS Phthalates	Not Contained

Search Parts in this Series

[150178](#) Series

Mates With

EconoLatch® Plug Housing [150176](#)

Use With

EconoLatch® Female Terminal [150181](#)

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: **1501811016**
Status: **Active**
Overview: Standard .062"+ and Standard .062" Pin and Socket Connector Systems
Description: Standard .062"+ Female Terminal, 16-18 AWG, Tin (Sn) Plated, Reel

Documents:

Drawing (PDF)	Packaging Specification PK-150180-001-000 (PDF)
Product Specification 1501760001-PS-000 (PDF)	Test Summary 1501760001-TS-000 (PDF)
Application Specification 1501760001-AS-000 (PDF)	RoHS Certificate of Compliance (PDF)

General

Product Family	Crimp Terminals
Series	<u>150181</u>
Application	Power, Wire-to-Wire
Crimp Quality Equipment	Yes
Overview	<u>Standard .062"+ and Standard .062" Pin and Socket Connector Systems</u>
Product Name	Standard .062"+
Taxonomy	Crimp Terminals
UPC	889056491112

Physical

Durability (mating cycles max)	25
Gender	Female
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	0.145/g
Packaging Type	Reel
Plating min - Mating	0.508µm
Plating min - Termination	0.508µm
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	1.70-2.10mm
Wire Size AWG	16, 18
Wire Size mm ²	N/A

Electrical

Current - Maximum per Contact	11.5A
Voltage - Maximum	400V

Material Info

Reference - Drawing Numbers

Application Specification	1501760001-AS-000
Packaging Specification	PK-150180-001-000
Product Specification	1501760001-PS-000
Sales Drawing	SD-150181-0001-000
Test Summary	1501760001-TS-000



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

150181 Series

Use With

Standard .062"+ Receptacle Housing
150178 , 150179

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 for Standard .062" and Standard .062"+ Pin and Socket Terminals	<u>11030002</u>
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Hand Crimp Tool for EconoLatch Male and Female Terminals, 16-18	<u>638280600</u>
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Note 10_KM3000 4000 Molex two pole power plug

TVRG 2023