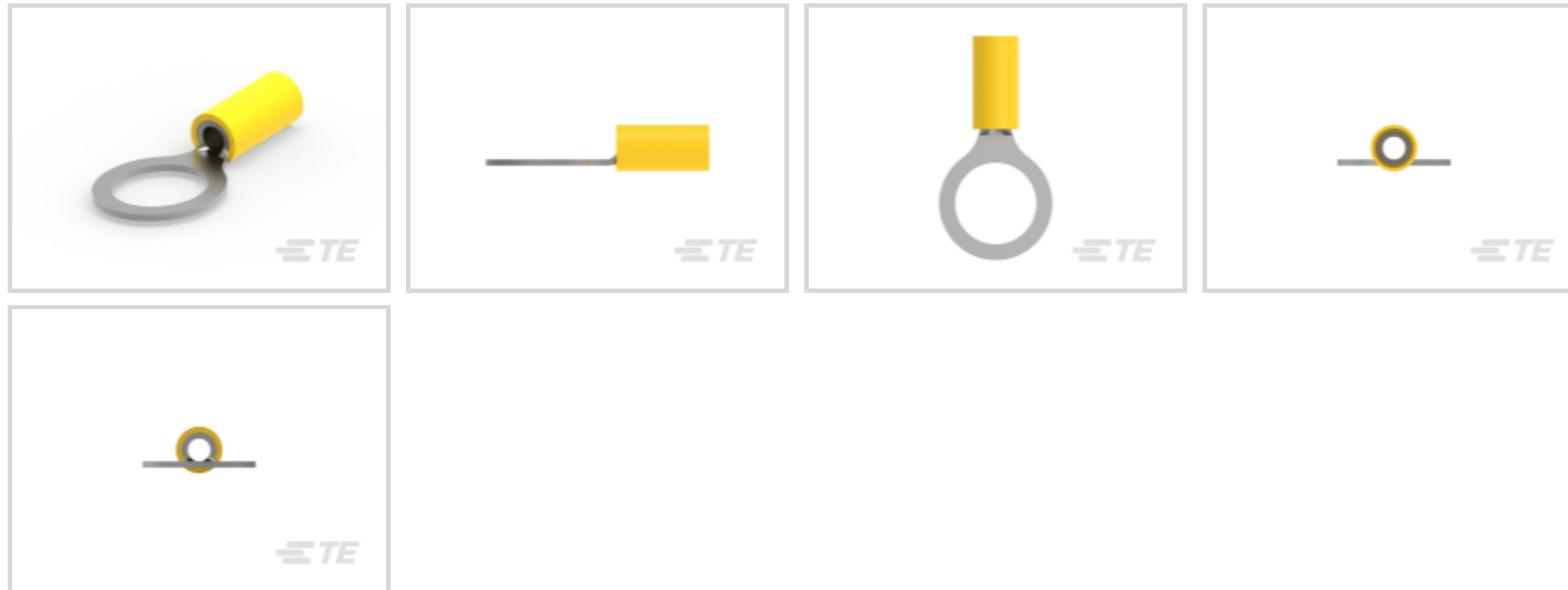# 52077-2 ✓ ACTIVE

PIDG

TE Internal #: 52077-2

Closed Ring Tongue Terminal, 10 AWG, 1/2 / M12 Stud Size, 13.08 mm [.515 in] Stud Diameter, Closed Barrel, Straight, Tin, Partially Insulated, PIDG

View on TE.com >

Ring Terminal Product Type: **Closed Ring Tongue Terminal**

Wire Size: **12066 CMA**

Stud Size: **1/2, M12**

All PIDG Ring Tongue Terminals (418)

Features

Product Type Features

Ring Terminal Product Type	Closed Ring Tongue Terminal
Stud Size	1/2, M12
Sealable	No
Wire Insulation Support Retention Type	Insulation Restriction

Configuration Features

Number of Holes	1

Electrical Characteristics

Voltage Rating	300 V

Body Features

Insulation Sleeve Color	Yellow
Stripe Color	Brown

Contact Features

Barrel Type	Closed

52077-2

Closed Ring Tongue Terminal, 10 AWG, 1/2 / M12 Stud Size, 13.08 mm [.515 in] Stud Diameter, Closed Barrel, Straight, Tin, Partially Insulated, PIDG

Terminal Orientation	Straight
Terminal Plating Material	Tin

Mechanical Attachment

Wire Insulation Support	With

Dimensions

Wire Size	12066 CMA
Stud Diameter	13.08 mm[.515 in]
Tongue Thickness	.79 mm[.031 in]
Product Length	37.85 mm[1.49 in]
Compatible Insulation Diameter (Max)	5.08 mm[.2 in]
Compatible Insulation Diameter Range	3.02 – 5.08 mm[.119 – .2 in]

Usage Conditions

Insulation Option	Partially Insulated
Operating Temperature Range	105 °C[221 °F]

Operation/Application

Compatible With Wire Base Material	Copper
Compatible With Wire Plating Material	Tin

Industry Standards

Government Qualified Terminal	No

Packaging Features

Packaging Quantity	500
Packaging Method	Loose Piece

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUL 2021 (219) Does not contain REACH SVHC

Closed Ring Tongue Terminal, 10 AWG, 1/2 / M12 Stud Size, 13.08 mm [.515 in] Stud Diameter, Closed Barrel, Straight, Tin, Partially Insulated, PIDG

Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

Compatible Parts

TE Part # 59824-1

TETRA-CRIMP PIDG PG FASTON 22-10 ASSY

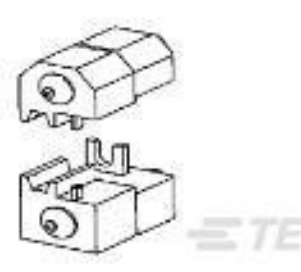TE Part # 59239-4

HHHT PIDG PG 12-10 ASSY

TE Part # 58423-1

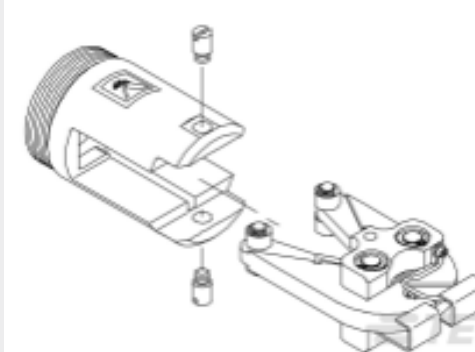DIE, RBY IS9252

TE Part # 58433-3
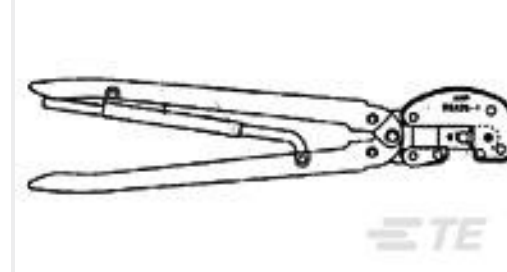
PRO CR ASSY, RBY IS9252

TE Part # 2063030-1

SDE DIESET, RBY, UL

TE Part # 47808-6

DIES PIDG 12-10 DIE SET

TE Part # 679300-1

1210 PIDG CRIMP HEAD

TE Part # 1-59239-4

HHHT PIDG 16-10 HEAD

TE Part # 1SET191001R0000

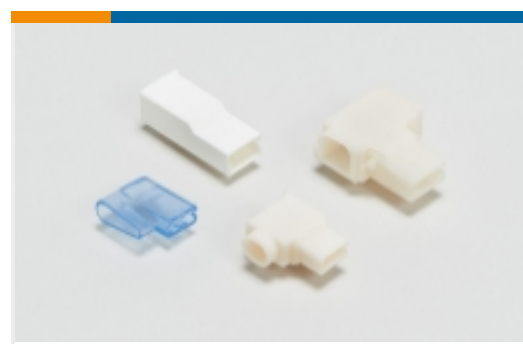CRIMP-HT

TE Part # 1SET191002R0000

TET CRIMP-HT

TE Part # 169404

CERTI-LOK DIE

Also in the Series | PIDG

52077-2

Closed Ring Tongue Terminal, 10 AWG, 1/2 / M12 Stud Size, 13.08 mm [.515 in] Stud Diameter, Closed Barrel, Straight, Tin, Partially Insulated, PIDG

Compression Connectors(17)

Crimp Terminal Housings(1)
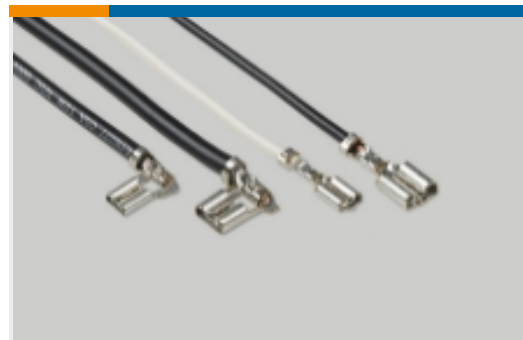
Crimp Wire Pins, Tabs & Ferrules(41)

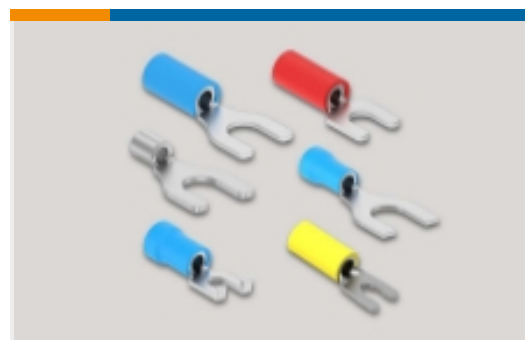Hand Crimping Tools(2)

Knife Disconnects(11)

PCB Terminals(7)

Quick Disconnects(49)

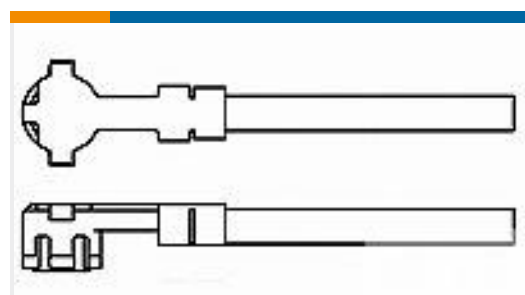Ring Terminals(611)

Spade Terminals(233)
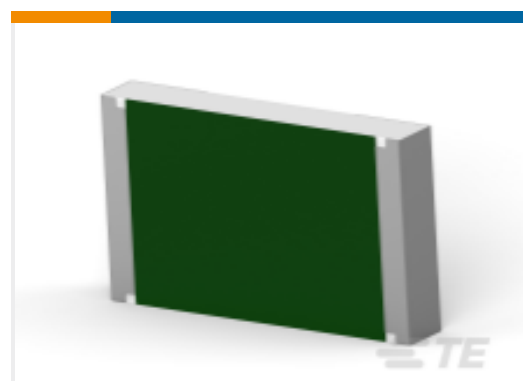
Special Purpose Terminals(1)

Splices(46)

Customers Also Bought
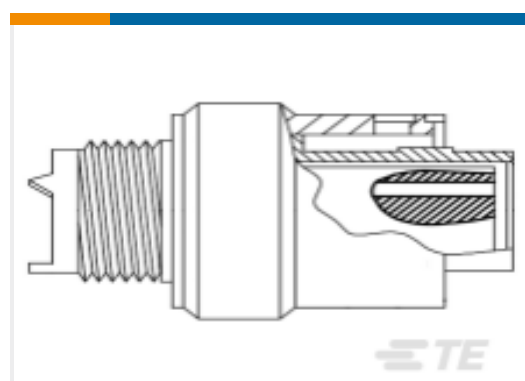
TE Part #1064542-1
9960 2510 24

TE Part #7-2176401-8
3540 3R9 5%

TE Part #40593
RING 18-14 6 .020 TPBR

TE Part #600420N009
RD16A12-08-SNCS051/2

TE Part #143396-000
RD16A18-23-SNCS051/2

TE Part #600429N006
RD16A14-12-S8CS051/2

TE Part #600439N006
RD16A18-23-S6CS051/2

TE Part #600440N002
RD16A18-23-S7CS051/2

Closed Ring Tongue Terminal, 10 AWG, 1/2 / M12 Stud Size, 13.08 mm [.515 in] Stud Diameter, Closed Barrel, Straight, Tin, Partially Insulated, PIDG

TE Part #823314-000
D-602-55CS2958

Documents

Product Drawings

TERMINAL,PIDG R IR 10 1/2

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_52077-2_G.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_52077-2_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_52077-2_G.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

CSA Certificate

English