

# JMGACD-12L = M39016/18-034L ✓ ACTIVE



CII

TE Part # 1617146-1

TE Internal #: JMGACD-12L

Mil-Spec: [M39016/18-034L]

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Relays, Contactors & Switches > Relays > Mil-Aero Relays > TO-5/.100 Grid Relays



Contact Arrangement: **2 Form C, DPDT, 2 C/O**

Input Voltage: **12 VDC**

Coil Suppression Diode: **With**

MOSFET Driver: **Without**

Transistor Driver: **Without**

## Features

### Product Type Features

Enclosure Type	Hermetically Sealed
Relay Type	Military/Aerospace High Performance
Coil Latching	Without
Product Type	Relay
MOSFET Driver	Without

### Configuration Features

Transistor Driver	Without
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### Electrical Characteristics

Coil Magnetic System	Non-Polarized, Monostable
Vibration	30G's, 10 – 3000Hz
Actuating System	DC
Shock	75G's, 6ms
Coil Power Measurement	Milliwatts
Input Voltage	12 VDC
Coil Suppression Diode	With
Coil Voltage	12 VDC
Coil Resistance	390 $\Omega$
Coil Power Rating (DC)	369 mW



Coil Polarity Protection Diode	With
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Contact Switching Voltage (Max)	28
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### Contact Features

Contact Current Class	Low Level – 1 A
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Contact Arrangement	2 Form C, DPDT, 2 C/O
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Contact Current Rating	1 A
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### Termination Features

Termination Type	PC Pins
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### Mechanical Attachment

Mounting Type	Printed Circuit Board
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### Usage Conditions

Operating Temperature Range	-65 – 125 °C
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## Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Not Compliant
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EU ELV Directive 2000/53/EC	Not Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Aktuelle ECHA Kandidatenliste: JAN 2019 (197) Kandidatenliste deklariert bezüglich: JAN 2019 (197)
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not lead free process capable
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#### 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the

product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

## Compatible Parts

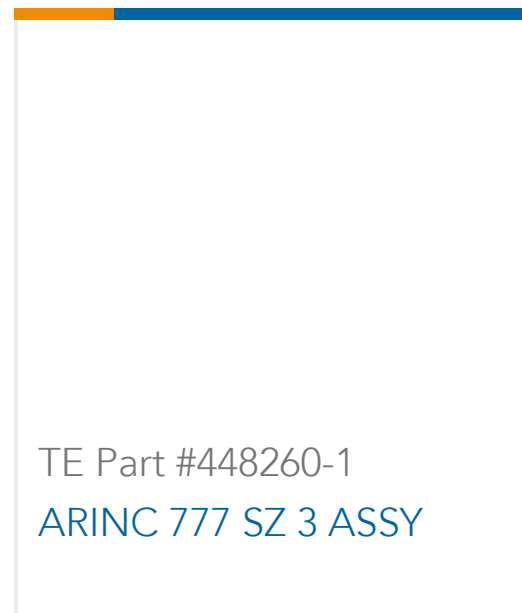


TE Part # 1-1617037-3  
 HFW5A1201L00 = HFW5A  
 RELAY

## Customers Also Bought



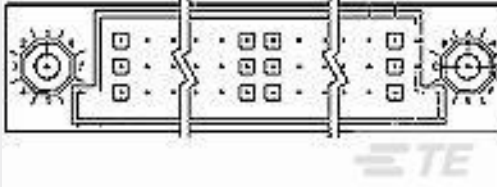
TE Part #806931-000  
 202D253-3-21-0



TE Part #448260-1  
 ARINC 777 SZ 3 ASSY



TE Part #448541-1  
 PIN,PCB,SZ 8,ARINC-  
 TRIAX



TE Part #532447-8  
 HDI PIN ASSY 3 ROW 165  
 POS



TE Part #532448-8  
 HDI PIN ASSY 4 ROW 220  
 POS



TE Part #2-1617076-2  
 3SBH1215A2 = M39016/14-  
 015M



TE Part #448540-2  
 PIN PCB,SZ 8,COAX  
 (ARINC-TRIAx)



TE Part #533935-7  
 HDI PIN ASSY 4 ROW 260  
 POS



TE Part #592590-1  
 TJ TRIPLE WIRE SPLICE SZ  
 20



TE Part #7-1617805-4  
 PRMGSTE-5YW=PR COTS  
 MOSFET GRID RELAY

## Documents

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1617146-1\\_F.3d\\_igs.zip](#)



English

Customer View Model

[ENG\\_CVM\\_CVM\\_1617146-1\\_F.3d\\_stp.zip](#)

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[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1617146-1\\_F.2d\\_dxf.zip](#)

English

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[Datasheets & Catalog Pages](#)

[5-1773450-5\\_sec1\\_MGA](#)

English

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