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Relays, Contactors & Switches

Relays

Mil-Aero Relays

TO-5/.100 Grid

JMGSCD-12PW

JMGSCD-12PW = M39016/42-051P



CII

TE Internal #: **1617150-4**
TE Internal Description: **JMGSCD-12PW = M39016/42-051P**
Mil-Spec: **M39016/42-051P**

Contact Arrangement : **2 Form C, DPDT, 2 C/O**
Input Voltage (VDC): **12**
Coil Suppression Diode : **With**
MOSFET Driver : **Without**
Transistor Driver : **Without**

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Compatible Parts & Tooling

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Documents	Features	Product Compliance
CAD Files	3D PDF 3D_CVM_CVM_1617150-4_O.pdf 3D Customer View Model ENG_CVM_CVM_1617150-4_O.2d_dxf.zip English ENG_CVM_CVM_1617150-4_O.3d_igs.zip English ENG_CVM_CVM_1617150-4_O.3d_stp.zip English	
Datasheets & Catalog Pages	5-1773450-5_sec1_MGS ENG_CS_5-1773450-5_sec1_MGS_0313_5-1773450-5_Sec1_MGS_MGSD_MGSDD.pdf English	
Please review product documents or contact us for the latest agency approval information.		
Product Type Features	MOSFET Driver : Without Product Type : Relay Coil Latching : Without Relay Type : Military/Aerospace High Performance Enclosure Type : Hermetically Sealed	



Configuration Features	Transistor Driver : Without																				
Electrical Characteristics	Coil Power Measurement : Milliwatts Input Voltage (VDC): 12 Coil Suppression Diode : With Coil Voltage (VDC): 12 Coil Resistance (Ω): 800 Coil Power Rating (DC) (mW): 180 Coil Polarity Protection Diode : With Contact Switching Voltage (Max) : 28 Shock : 75G's, 6ms Actuating System : DC Vibration : 30G's, 10 – 3000Hz Coil Magnetic System : Non-Polarized, Monostable																				
Contact Features	Contact Arrangement : 2 Form C, DPDT, 2 C/O Contact Current Rating (A): 1 Pin Configuration : .175" Diameter Mounting Pad Contact Current Class : Low Level – 1 A																				
Termination Features	Termination Type : PC Pins																				
Mechanical Attachment	Mounting Type : Printed Circuit Board																				
Usage Conditions	Operating Temperature Range (°C): -65 – 125																				
EU RoHS Directive 2011/65/EU	Substances: Pb <i>This declaration covers EU Directive 2011/65/EU incl. Delegated Directive 2015/863/EU. The restrictions under 2015/863/EU apply as of 22 July 2021 for EEE categories 8 (medical devices) and 9 (monitoring and control equipment).</i>																				
EU ELV Directive 2000/53/EC	Substances: Pb																				
China RoHS 2 Directive MIIT Order No 32, 2016	<table><tr><th rowspan="2">部件名称 (Component Name) 1617150-4 继电器 (Relays)</th><th colspan="6">有害物质 (Hazardous Substance)</th></tr><tr><th>铅 (Pb)</th><th>汞 (Hg)</th><th>镉 (Cd)</th><th>六价 铬 (Cr6)</th><th>多溴联 苯 (PBB)</th><th>多溴二苯 醚 (PBDE)</th></tr><tr><td></td><td>X</td><td>○</td><td>○</td><td>○</td><td>○</td><td>○</td></tr></table> <p>本表格依据SJ/T 11364标准的规定编制。This table is compiled according to SJ/T 11364 standard.</p> <p>○: 表示该有害物质在该部件所有均质材料中的含量均在GB/T 26572标准规定的限量要求以下。 Indicates that the concentration of the hazardous substance in all homogeneous materials of the part is below the relevant threshold of the</p>	部件名称 (Component Name) 1617150-4 继电器 (Relays)	有害物质 (Hazardous Substance)						铅 (Pb)	汞 (Hg)	镉 (Cd)	六价 铬 (Cr6)	多溴联 苯 (PBB)	多溴二苯 醚 (PBDE)		X	○	○	○	○	○
部件名称 (Component Name) 1617150-4 继电器 (Relays)	有害物质 (Hazardous Substance)																				
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价 铬 (Cr6)	多溴联 苯 (PBB)	多溴二苯 醚 (PBDE)															
	X	○	○	○	○	○															

GB/T 26572 standard

X: 表示该有害物质至少在该部件的某一均质材料中的含量超出GB/T 26572标准规定的限量要求。

Indicates that the concentration of the hazardous substance in at least one homogeneous material of the part is above the relevant threshold of the GB/T 26572 standard.

电子电气产品的环保使用期限依据SJ/T 11388标准的规定确定。
The EFUP value of EEP is defined according to SJ/T 11388 standard.

EU REACH
Regulation (EC)
No. 1907/2006

Current ECHA Candidate List: **JUL 2019 (201)**
Candidate List Declared Against: **JAN 2019 (197)**

Halogen Content

Solder Process
Capability

Not lead free process capable

Statement of
Compliance

[Statement of Compliance](#) pdf

Compliance
Documents

There may be Environmental Compliance related documents on the [DOCUMENTATION Tab](#)

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>

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TO-5/.100 GRID RELAYS

JMGSCD-12PW

JMGSCD-12PW = M39016/42-051P



In-Stock

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

Input Voltage : **12 VDC**

Coil Suppression Diode : **With**

MOSFET Driver : **Without**

Transistor Driver : **Without**

TO-5/.100 GRID RELAYS

JMGSCD-12MW

JMGSCD-12MW = M39016/42-051M



In-Stock

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

Input Voltage : **12 VDC**

Coil Suppression Diode : **With**

MOSFET Driver : **Without**

Transistor Driver : **Without**

TO-5/.100 GRID RELAYS

JMGSCD-12P

JMGSCD-12P = M39016/42-035P



In-Stock

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

Input Voltage : **12 VDC**

Coil Suppression Diode : **With**

MOSFET Driver : **Without**

Transistor Driver : **Without**

TO-5/.100 GRID RELAYS

JMGSCD-12M

JMGSCD-12M = M39016/42-035M



In-Stock

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

Input Voltage : **12 VDC**

Coil Suppression Diode : **With**

MOSFET Driver : **Without**

Transistor Driver : **Without**

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