# STM051L2AQ ✔ ACTIVE

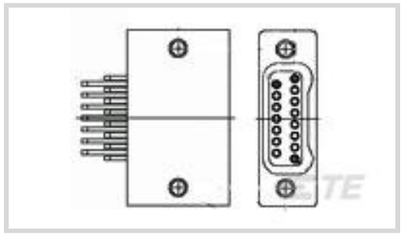
Nanonics

TE Internal #: 6-1589483-0

51 Position D-Shaped Connector, Receptacle, Wire-to-Board, Board Mount, .64 mm [.025 in] Centerline, Printed Circuit Board, Power

View on TE.com >

Connectors > D-Shaped Connectors > DUALOBE Receptacle Connectors: Metal Shell, 51 Pin/2 row



Number of Positions: **51**

Connector & Housing Type: **Receptacle**

Connector System: **Wire-to-Board**

Connector Mounting Type: **Board Mount**

Centerline (Pitch): **.64 mm [ .025 in ]**

All DUALOBE Receptacle Connectors: Metal Shell, 51 Pin/2 row (9)

## Features

### Product Type Features

| | |
|---|---|
| Connector & Housing Type | Receptacle |
| Connector System | Wire-to-Board |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |

### Configuration Features

| | |
|---|---|
| Number of Positions | 51 |

### Contact Features

| | |
|---|---|
| Contact Type | Socket |
| Contact Current Rating (Max) | 1 A |
| Contact Options | Installed |

### Termination Features

| | |
|---|---|
| Termination Method to PCB | Surface Mount |
| Termination Method to Wire & Cable | Preterminated Flying Leads |

### Mechanical Attachment

| | |
|---|---|
| Connector Mounting Type | Board Mount |

### Housing Features

| | |
|---|---|
| Centerline (Pitch) | .64 mm[.025 in] |

### Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -200 – 200 °C[-328 – 392 °F] |

### Operation/Application

| | |
|---|---|
| Circuit Application | Power |

## Product Compliance

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

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Not Compliant |
| EU ELV Directive 2000/53/EC | Compliant with Exemptions |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>SVHC > Threshold:<br>Pb (40% in 74023047)<br>**Article Safe Usage Statements:**<br>Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content | Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Not lead free process capable |

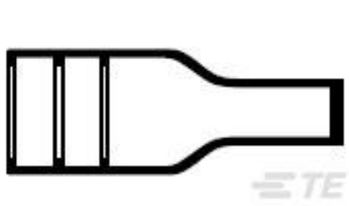
Product Compliance Disclaimer

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

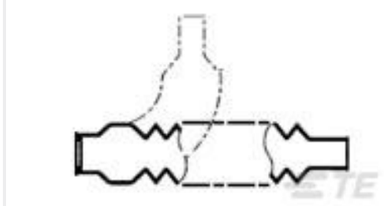
## Compatible Parts

TE Part # 1589666-5
302-0009-02 = CLEADFRAME

## Customers Also Bought



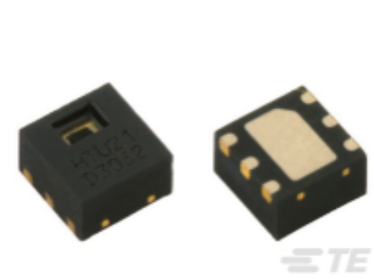
TE Part #005087-000
202D153-4/86-0



TE Part #430328-000
202C621-51/164-0



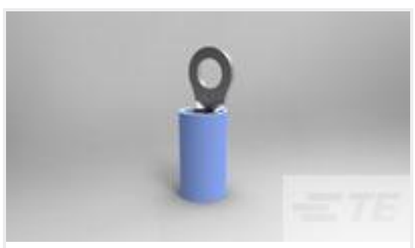
TE Part #680333-000
D-609-13



TE Part #HPP845E031R4
I.C 21D RH/T B400



TE Part #34853
TERMINAL,PG R 12-10 8



TE Part #2-320561-2
TERMINAL,PIDG R 16-14 6



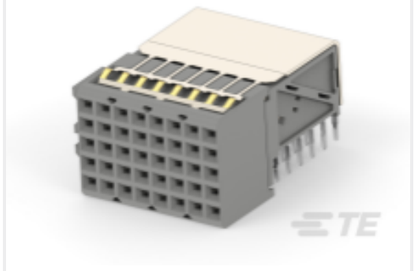
TE Part #4-1617002-1
B07B035BC1 = B07 10 AMP RELAY




TE Part #1623156-1
CRG0805 1% 220R



TE Part #1676209-2
RN 0805 17K8 0.1% 10PPM 1KRL



TE Part #2347330-1
2MM HM FEMALE ASSY, COL8

## Documents

### Product Drawings

STM051L2AQ = SMT CONN

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-1589483-0_U_c-6-1589483-0-u.2d_dxf.zip

English

### Customer View Model

ENG_CVM_CVM_6-1589483-0_U_c-6-1589483-0-u.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_6-1589483-0_U_c-6-1589483-0-u.3d_stp.zip

English

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

## Datasheets & Catalog Pages

1589483 Nanonics Cross Reference

English