



DEUTSCH | DEUTSCH DRC

TE Internal #: DRC23-64PAA

PCB Mount Header, Right Angle, Wire-to-Board, 64 Position, 4.42 mm [.174 in] Centerline, Fully Shrouded, Gold, Through Hole - Solder, Sealable

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Connectors > PCB Connectors > PCB Headers & Receptacles > DEUTSCH DRC Headers



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

Number of Positions: **64**

Centerline (Pitch): **4.42 mm [.174 in]**

Sealable: **Yes**

PCB Mount Orientation: **Right Angle**

[All DEUTSCH DRC Headers \(44\)](#)

Features

Product Type Features

| | |
|-----------------------------------|------------------|
| Hybrid Header | No |
| Connector Shape | Rectangular |
| PCB Connector Assembly Type | PCB Mount Header |
| Header Type | Fully Shrouded |
| Connector System | Wire-to-Board |
| Sealable | Yes |
| Connector & Contact Terminates To | Wire & Cable |

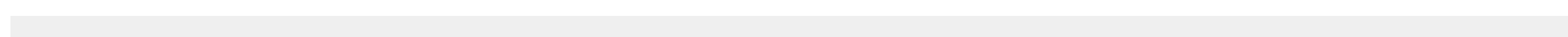
Configuration Features

| | |
|----------------------------|-------------|
| Number of Sections | 4 |
| Number of Signal Positions | 64 |
| Number of Positions | 64 |
| PCB Mount Orientation | Right Angle |
| Number of Rows | 4 |

Electrical Characteristics

| | |
|------------------------------|------------|
| Voltage Rating (Max) | 250 VAC |
| Nominal Voltage Architecture | 12 V, 24 V |
| Operating Voltage | 250 VAC |

Body Features





| | |
|-----------------------|-------|
| Primary Product Color | Black |
|-----------------------|-------|

| | |
|-------------------------|----|
| Connector & Keying Code | AA |
|-------------------------|----|

Contact Features

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|--------------|---------|
| Contact Size | Size 20 |
|--------------|---------|

| | |
|--------------|-----|
| Contact Type | Pin |
|--------------|-----|

| | |
|---------------------|-----------------|
| Mating Pin Diameter | 1.02 mm[.04 in] |
|---------------------|-----------------|

| | |
|--------------------------------------|------|
| Contact Mating Area Plating Material | Gold |
|--------------------------------------|------|

| | |
|------------------------------|-------|
| Contact Current Rating (Max) | 7.5 A |
|------------------------------|-------|

Termination Features

| | |
|---|-----------------------|
| Termination Method to Printed Circuit Board | Through Hole - Solder |
|---|-----------------------|

Mechanical Attachment

| | |
|----------------|------|
| Mounting Holes | With |
|----------------|------|

| | |
|-----------------------|-------|
| Mating Alignment Type | Keyed |
|-----------------------|-------|

| | |
|------------------|------|
| Mating Retention | With |
|------------------|------|

| | |
|------------------|------|
| Mating Alignment | With |
|------------------|------|

| | |
|---------------------|------|
| PCB Mount Alignment | With |
|---------------------|------|

| | |
|---------------------|------|
| Panel Mount Feature | With |
|---------------------|------|

| | |
|---------------------|------|
| PCB Mount Retention | With |
|---------------------|------|

| | |
|--------------------------|----------------|
| PCB Mount Retention Type | Mounting Screw |
|--------------------------|----------------|

| | |
|-----------------------|-------------------|
| Mating Retention Type | Locking Interface |
|-----------------------|-------------------|

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

Housing Features

| | |
|--------------------|------------------|
| Centerline (Pitch) | 4.42 mm[.174 in] |
|--------------------|------------------|

Dimensions

| | |
|------------------|--------------------|
| Connector Length | 45.34 mm[1.785 in] |
|------------------|--------------------|

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|-----------------|------------------|
| Connector Width | 149 mm[5.866 in] |
|-----------------|------------------|

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|-----------------------------|-------------------------------|
| PCB Thickness (Recommended) | .78 – 1.57 mm[.031 – .062 in] |
|-----------------------------|-------------------------------|

| | |
|-------------------------|-----------------|
| Profile Height from PCB | 38.1 mm[1.5 in] |
|-------------------------|-----------------|

Usage Conditions

| | |
|-----------------------------|----------------|
| Operating Temperature (Max) | 125 °C[257 °F] |
|-----------------------------|----------------|

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 125 °C[-67 – 257 °F] |
|-----------------------------|----------------------------|

Operation/Application



| | |
|----------|----|
| Shielded | No |
|----------|----|

| | |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

| | |
|----------------------|------------|
| Degree of Protection | Not Tested |
|----------------------|------------|

| | |
|-----------|------------|
| UL Rating | Recognized |
|-----------|------------|

| | |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

| | |
|----------------|-----|
| Packaging Type | Box |
|----------------|-----|

| | |
|--------------------|----|
| Packaging Quantity | 50 |
|--------------------|----|

Other

| | |
|------------------|------------------------|
| Interface Number | DRC23-24PX, DRC23-40PX |
|------------------|------------------------|

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 | <p>Current ECHA Candidate List: JUNE 2023 (235)</p> <p>Candidate List Declared Against: JUNE 2023 (235)</p> <p>SVHC > Threshold:</p> <p>Octamethylcyclotetrasiloxane (D4) (.4% in Component Part)</p> <p>Article Safe Usage Statements: Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.</p> |
|--|---|

| | |
|-----------------|--|
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
|-----------------|--|

| | |
|---------------------------|--|
| Solder Process Capability | Not reviewed 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 # CAT-D799-CH8172
DEUTSCH DRC Housings

TE Part # 0504-003-4001
DUST CAP, 40P, REC, BLK, DRC20

TE Part # 0515-013-4005
PROTECT CVR, 40P, REC, YEL, DRC20

TE Part # 0515-020-2405
PROTECT CVR, 24P, REC, YEL, DRC20

TE Part # DRC26-40SA-P019
PLG, 40P, BLK, N, ZINC CLIP, A

TE Part # DRC26-40SA-PL01
PLG, 40P, BLK, N, ROUTER CAP, SS CLIP, A

Also in the Series | DEUTSCH DRC

Automotive Connector Caps & Covers
(9)

Automotive Housings(112)

Insertion & Extraction Tools(7)

PCB Headers & Receptacles(44)

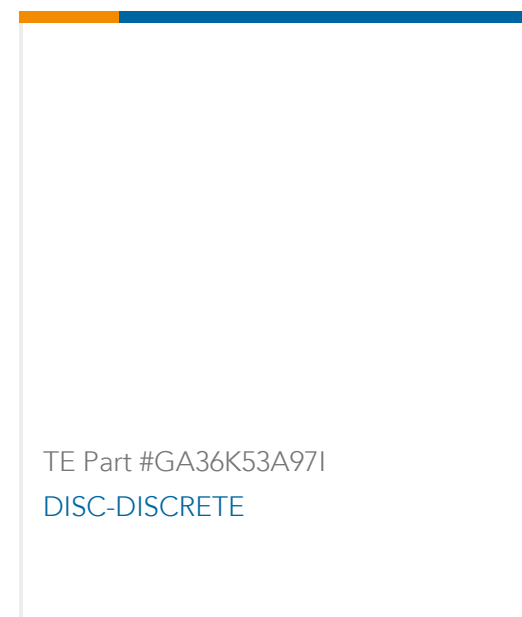
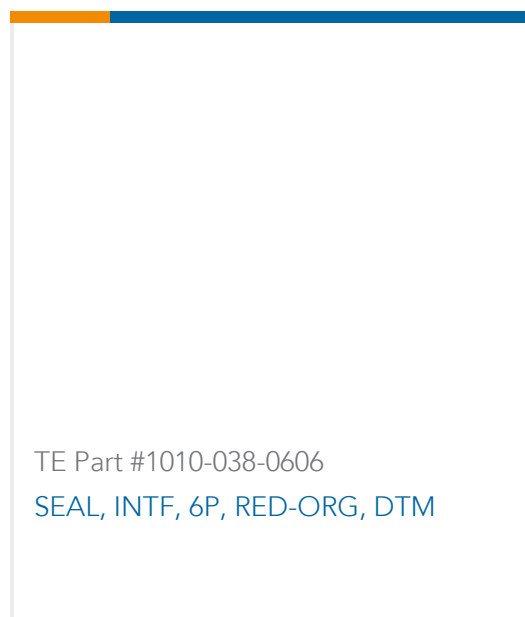
Customers Also Bought

TE Part #1-776228-1
23POS,PIN DIA 1.3,HDR ASSY,
180DEG,COD 1

TE Part #178307-5
DYNAMIC D3100 HDR ASSY 16P

TE Part #DT15-12PA
DEUTSCH DT Headers

TE Part #1011-233-0305
BKSHL, 3P, BLK, REC, ST, NW6/7.5/8.5
/10



Documents

Product Drawings

[HDR, 64P, BLK, RA, AU/NI/CU, AA](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_DRC23-64PAA_99.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_DRC23-64PAA_99.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DRC23-64PAA_99.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English

Agency Approvals

[UL Report](#)

English