TE connectivity

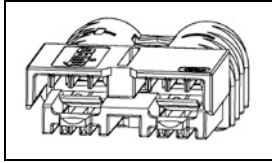🛒 **My Cart** | 🗔 **My Part Lists** | **Sign In/Register**   **English** (Change)

Have a Question?
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1604342-1 Product Details

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1604342-1

TE Internal Number: 1604342-1

✔ Active

📄 View 3D PDF

AMP Power Series Connectors

🌿 Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- 50 Series
- Connector
- Housing
- Contact - Rated Current = 50 A
- AWG > 0 = No

View all Features

Add to My Part List   Request Sample   Find Similar Products   Buy Product

┌─ **Quick Links** ─────────────────────┐
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│ ▷ Search for Tooling   │
│ ▷ Product Feature Selector   │
│ ▷ Contact Us About This Product   │
└───────────────────────────────────────┘

Documentation & Additional Information

Product Drawings:
- ASSEMBLY, 50 SERIES POWER CONNECTOR, FINGER PROOF (PDF, English)

Catalog Pages/Data Sheets:
- POWER_CONNECTORS_CATALOG_SEC02_CABLE_MOUNTED (PDF, English)
- 2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1 (PDF, English)

Product Specifications:
- None Available

Application Specifications:
- None Available

Instruction Sheets:
- None Available

CAD Files: (CAD Format & Compression Information)
- 2D Drawing (DXF, Version O)
- 3D Model (IGES, Version O)
- 3D Model (STEP, Version O)

Additional Information:
- Product Line Information

Related Products:
- Tooling

List all Documents

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:
- Product Type = Connector
- Connector Type = Housing
- Sealed = No
- Wire/Cable Type = Discrete Wire

Mechanical Attachment:
- Panel Mount Retention = Without

Electrical Characteristics:
- Contact - Rated Current (A) = 50
- AWG > 0 = No
- Operating Voltage Reference = DC, AC, AC/DC
- Operating Voltage (VAC) = 600
- Operating Voltage (VDC) = 600
- UL Voltage Rating (VAC) = 600
- UL Voltage Rating (VDC) = 600
- Hot Pluggable = No

Termination Features:
- Wire/Cable Size (AWG) = 6 – 12
- Wire/Cable Size (mm²) = 3.085 – 14
- Wire/Cable Size (CMA) = 6,088 – 27,629
- Termination Method to Wire/Cable = Crimp

Dimensions:
- Length (X-Axis) (mm [in]) = 55.98 [2.200]

Contact Features:
- Contact Type = Pin/Socket

Housing Features:
- Housing Color = Brown
- Mating Alignment = With
- Connector Style = Plug/Receptacle
- Mating Alignment Type = Keyed
- Housing Material = Polycarbonate

Configuration Features:
- Number of Positions = 2

Industry Standards:
- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Not relevant for lead free process
- RoHS/ELV Compliance History = Always was RoHS compliant
- Agency/Standard = UL
- UL Rating = Recognized
- UL File Number = E28476
- UL Flammability Rating = UL 94V-0

Conditions for Usage:
- Accepts Wire Insulation Diameter, Range (mm [in]) = 10.00 [0.394]
- Applies To = Wire/Cable

- Width (Z-Axis) (mm [in]) = 35.05 [1.380]
- Profile Height (Y-Axis) (mm [in]) = 17.19 [0.6767]

Body Features:
- Mating Retention = Without
- Wire Type = Stranded

Operation/Application:
- Contact Transmits (Typical Application) = Power
- Application Use = Wire-to-Wire

Packaging Features:
- Packaging Method = Loose Piece

Other:
- Series = 50
- Brand = AMP

Corporate Information

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Careers

Terms & Conditions

Privacy Policy

AODA Accessibility Policy

AODA Multi-Year Accessibility Plan

Quick Links

Distributor Inventory

Product Cross Reference

Documents & Drawings

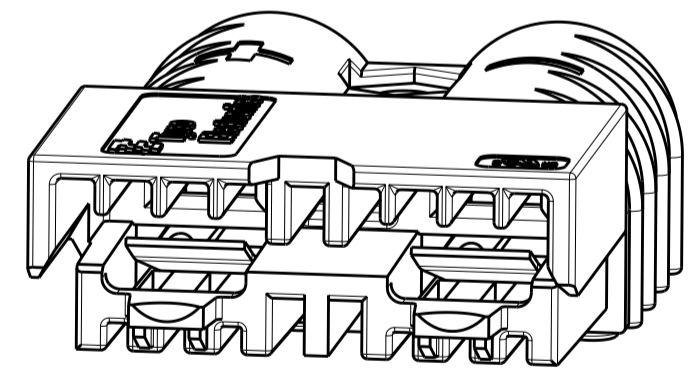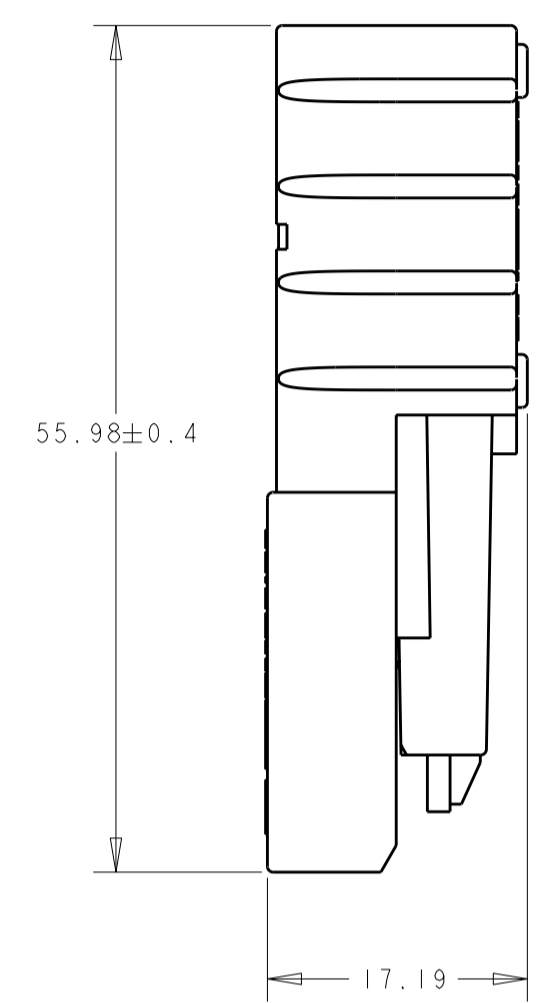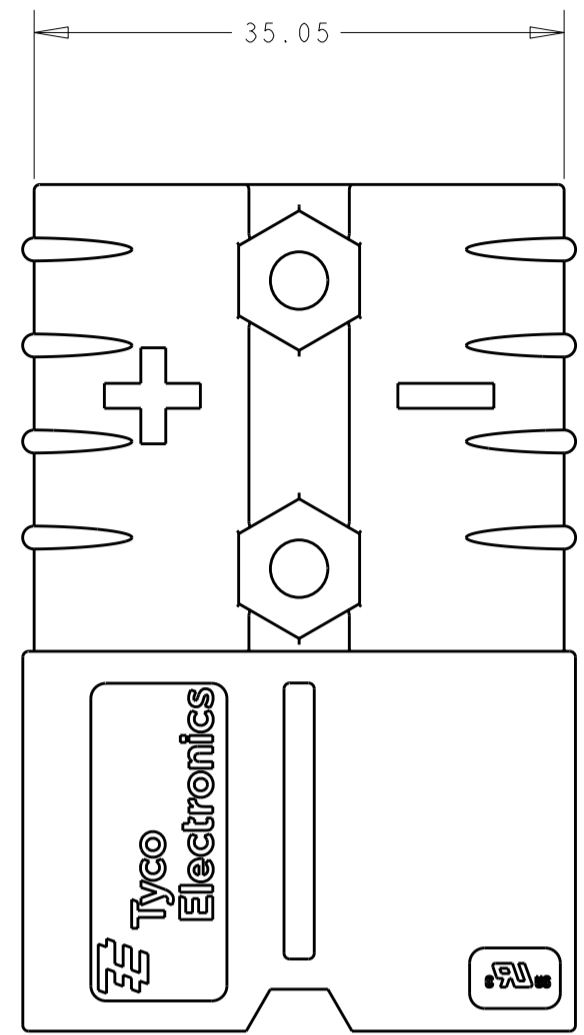Product Compliance Support Center

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LOC	DIST	REVISIONS					
CM	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			01	REVISED PER PER ECR-10-010379	24MAY2010	HMR	JR

35.05

55.98±0.4

17.19

Tyco Electronics
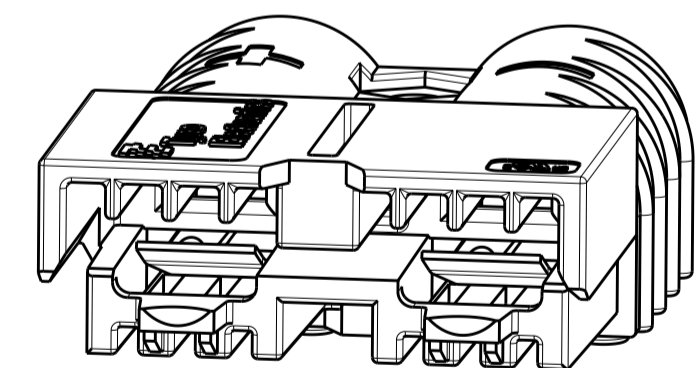
1604342-1

1604342-2

WHITE	1604342-2
BROWN	1604342-1
COLOR	PART NUMBER

THIS PRODUCT HAS PASSED VERIFICATION AND AGENCY
APPROVALS TESTING AND IS COMPONENT RECOGNIZED PER
UL 1977 AND CSA 22.2. TYCO ELECTRONICS PRODUCT
QUALIFICATION TESTING IS NOT YET COMPLETE.

DWN	04JUN2002
	B. HAYMAKER
CHK	04JUN2002
	R. WALTER
APVD	04JUN2002
	R WALTER

Tyco Electronics
Tyco Electronics
Harrisburg, PA 17105-3608

NAME
ASSEMBLY, 50 SERIES POWER CONNECTOR,
FINGER PROOF

DIMENSIONS:
mm

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC	±-
1 PLC	±-
2 PLC	±0.13
3 PLC	±-
4 PLC	±-
ANGLES	±-

PRODUCT SPEC
-

APPLICATION SPEC
-

MATERIAL
-

FINISH
-

WEIGHT
-

CUSTOMER DRAWING

SIZE	CAGE CODE	DRAWING NO		RESTRICTED TO
A2	00779	C-1604342		-

SCALE 2:1   SHEET 1 OF 1   REV 01

METRIC