

5749111-6 Product Details

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5749111-6

TE Internal Number: 5749111-6

Active

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.050 Series Cable Connectors (SCSI)

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Connector
 - Connector Style = Plug
 - 68 Positions
 - Wire/Cable Type = Round Jacketed Cable
 - Applies To Cable
- [View all Features](#)

Quick Links

- ▶ [Pricing & Availability](#)
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Documentation & Additional Information

Product Drawings:

- [PLUG ASSEMBLY, AMPLIMITE .050 Series](#) (PDF, English)

Catalog Pages/Data Sheets:

- [AMPLIMITE Subminiature D Connectors - .050 Series Co...](#) (PDF, English)

Product Specifications:

- [Connector, AMPLIMITE, Shielded, .050 Series](#) (PDF, English)

Application Specifications:

- [AMPLIMITE .050 Series Cable End Insulation Displacem...](#) (PDF, English)

Instruction Sheets:

- [Manual Arbor Frame Assembly 58024-1](#) (PDF, English)
- [Repair Tool 58430-1 for AMPLIMITE .050 Series Connectors](#) (PDF, English)
- [AMPLIMITE .050 Series Connectors \(Round-to-Flat Cable\)](#) (PDF, English)
- [Installation and Use of Mass Termination Tooling](#) (PDF, English)
- [Cover Lacing Fixture 91293-1 for AMPLIMITE .050 Seri...](#) (PDF, English)
- [Manual Miniature Applicator Frame Assembly 91295-1](#) (PDF, English)
- [Cover Closing Kits 543508-1 and 543526-1 and Staple ...](#) (PDF, English)
- [Tooling Kit 768900-1](#) (PDF, English)

CAD Files: (CAD Format & Compression Information)

- [2D Drawing \(DXF, Version O1\)](#)
- [3D Model \(IGES, Version O1\)](#)
- [3D Model \(STEP, Version O1\)](#)

[List all Documents](#)

Related Products:

- [Tooling](#)
- [Mating Products \(17\)](#)
- [Accessories \(2\)](#)

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

Product Type Features:

- **Product Type** = Connector
- **Wire/Cable Type** = Round Jacketed Cable
- **Wire Insulation Diameter (mm [in])** = 0.74 - 0.91 [0.029 - 0.036]
- **Mating Connector Lock** = Without
- **Detent** = Without
- **Rails** = Without
- **Termination Cover** = With
- **Product Series** = Series III
- **Termination Cover Type** = Standard
- **Termination Cover Method** = Assembled
- **Color** = Black

Mechanical Attachment:

- **Panel Mount Retention** = Without

Termination Features:

- **Termination Method to Wire/Cable** = Insulation Displacement Crimp (IDC)

Body Features:

- **Wire Range (mm [AWG])** = 0.05-0.092 [30-28]
- **Plug Shell Material** = Steel
- **Plug Shell Plating** = Tin-Nickel Alloy

Contact Features:

- **Contact Base Material** = Phosphor Bronze
- **Contact Plating, Mating Area, Material** = Gold Flash over Palladium Nickel, Gold (30)
- **Solder Tail Contact Plating** = Tin over Nickel

Housing Features:

- **Connector Style** = Plug
- **Housing Material** = Thermoplastic - GF
- **UL Flammability Rating** = UL 94V-0

Configuration Features:

- **Number of Positions** = 68
- **Shielded** = Yes

Industry Standards:

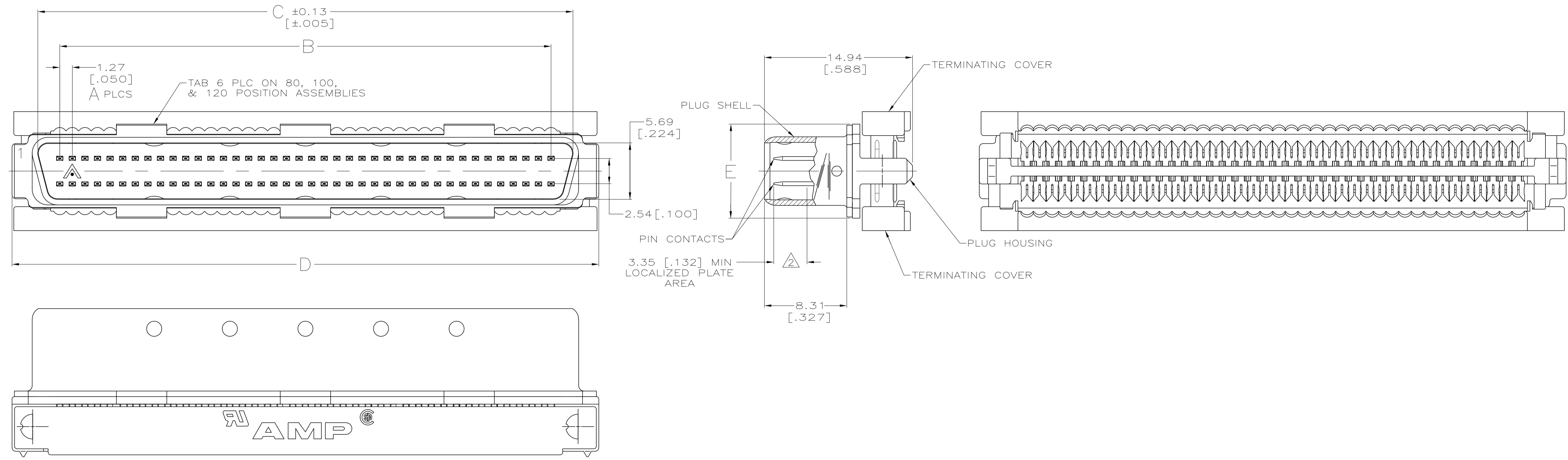
- **RoHS/ELV Compliance** = RoHS compliant, ELV compliant
- **Lead Free Solder Processes** = Not relevant for lead free process
- **RoHS/ELV Compliance History** = Always was RoHS compliant

Conditions for Usage:

- **Applies To** = Cable

Other:

- **Brand** = AMP
- **Comment** = Plug connector requires backshell kit for complete assembly



- △ MATERIAL:
 PIN CONTACTS - PHOSPHOR BRONZE.
 PLUG SHELL - STEEL.
 PLUG HOUSING & TERMINATING COVERS - UL V-0 RATED THERMOPLASTIC; COLOR: BLACK.
- △ FINISH:
 PIN CONTACTS - EITHER 0.76μm [.000030] MIN GOLD PLATE OR GOLD FLASH OVER PALLADIUM NICKEL PLATE, 0.76μm [.000030] MIN TOTAL IN LOCALIZED PLATE AREA, 3.00μm [.000118] MIN TIN IN TERMINATION AREA, ALL OVER 1.27μm [.000050] MIN NICKEL.
 PLUG SHELL - 0.25μm [.000010] MIN TIN-NICKEL OVER 3.81μm [.000150] MIN NICKEL OVER 2.54μm [.000100] MIN COPPER.
3. RECOMMENDED WIRE: 28 AWG OR 30 AWG, SOLID OR 7 STRAND, PVC INSULATION WITH A 0.74-0.91 [.029-.036] INSULATION DIAMETER.

△	7.44 [.293]	24.87 [.979]	19.61 [.772]	15.24 [.600]	12	26	1-5749111-0
△	9.47 [.373]	84.56 [3.329]	79.30 [3.122]	74.93 [2.950]	59	120	5749111-9
△	9.47 [.373]	71.86 [2.829]	66.60 [2.622]	62.23 [2.450]	49	100	5749111-8
△	9.47 [.373]	59.16 [2.329]	53.90 [2.122]	49.53 [1.950]	39	80	5749111-7
△	7.44 [.293]	51.54 [2.029]	46.28 [1.822]	41.91 [1.650]	33	68	5749111-6
△	7.44 [.293]	40.11 [1.579]	34.85 [1.372]	30.48 [1.200]	24	50	5749111-4
△	7.44 [.293]	33.76 [1.329]	28.50 [1.122]	24.13 [.950]	19	40	5749111-3
△	7.44 [.293]	21.06 [.829]	15.80 [.622]	11.43 [.450]	9	20	5749111-1
FINISH	E	D	C	B	A	NO OF POSN	PART NO

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DIN G. ATTADIA - 02-23-05 CIRK DOCKS 02-23-05	APVD J. GFRACE 02-23-05	NAME M. WALMSLEY	PRODUCT SPEC 108-1228	APPLICATION SPEC 114-40029	SIZE A1	CAGE CODE 00779	DRAWING NO C=5749111	RESTRICTED TO
MATERIAL △	FINISH SEE TABLE	STE		TE Connectivity		PLUG ASSEMBLY, AMPLIMITE .050 Series		CUSTOMER DRAWING		SCALE 5:1 SHEET 1 OF 1 REV E1