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5786090-7 Product Details

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.050 Series Cable Connectors (SCSI)

5786090-7

TE Internal Number: 5786090-7

✔ Active

📄 View 3D PDF

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

Product Highlights:
- Connector
- Connector Style = Plug
- 68 Positions
- Wire/Cable Type = Ribbon Cable
- Applies To Cable

View all Features

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

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Quick Links
- ▷ Pricing & Availability
- ▷ Search for Tooling
- ▷ Product Feature Selector
- ▷ Contact Us About This Product

Documentation & Additional Information

Product Drawings:
- PLUG ASSEMBLY, UNSHIELDED, 0.635[.025] CENTERLINE, ... (PDF, English)

Catalog Pages/Data Sheets:
- AMPLIMITE Subminiature D Connectors - .050 Series Co... (PDF, English)

Product Specifications:
- Connector, AMPLIMITE, Shielded, .050 Series (PDF, English)
- Connector, AMPLIMITE*, .050 Series, .025 Inch Centerline (PDF, English)

Application Specifications:
- AMPLIMITE .050 Series Cable End Insulation Displacem... (PDF, English)
- AMPLIMITE .050 Series Feed-Through Connectors for 0.... (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

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

Product Type Features:
- Product Type = Connector
- Wire/Cable Type = Ribbon Cable
- Mating Connector Lock = Without
- Detent = Without
- Rails = Without
- Termination Cover = With
- Product Series = Series III
- Termination Method to Wire/Cable = Insulation Displacement Crimp (IDC)
- Color = Black

Mechanical Attachment:
- Panel Mount Retention = Without

Electrical Characteristics:
- Shielded = No

Termination Features:
- Solder Tail Contact Plating = Tin over Nickel

Body Features:
- Ribbon Cable Centerline Spacing (mm [in]) = 0.64 [0.025]
- Wire Range (mm [AWG]) = 0.05² [30]
- Termination Cover Color = Black

Contact Features:
- Contact Base Material = Phosphor Bronze
- Contact Plating, Mating Area, Material = Gold (30)

Housing Features:
- Connector Style = Plug
- Housing Material = PBT - GF
- UL Flammability Rating = UL 94V-0

Configuration Features:
- Number of Positions = 68

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

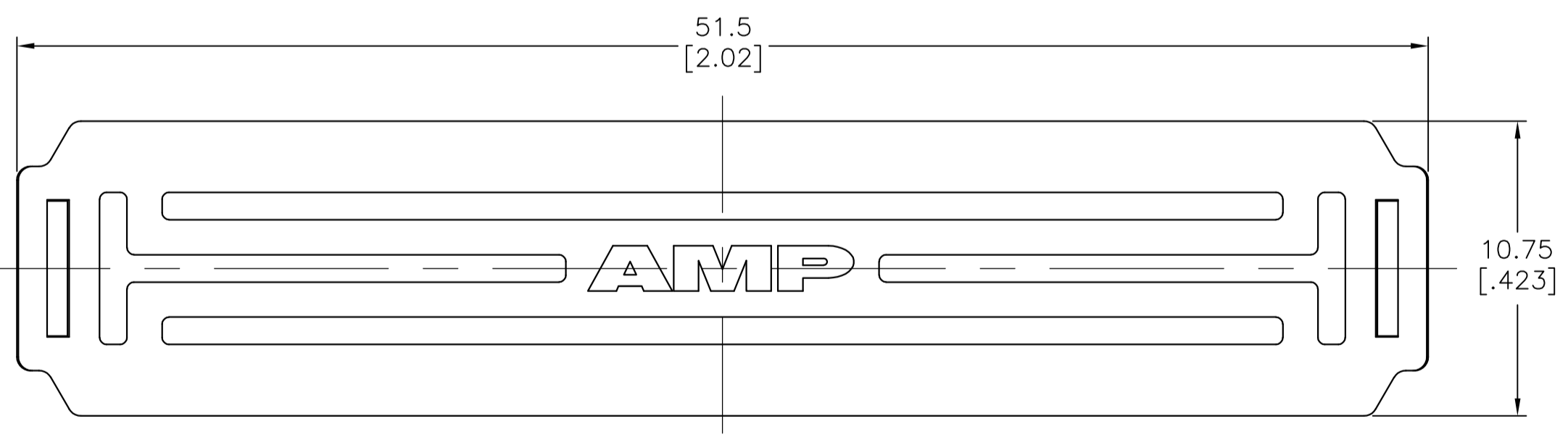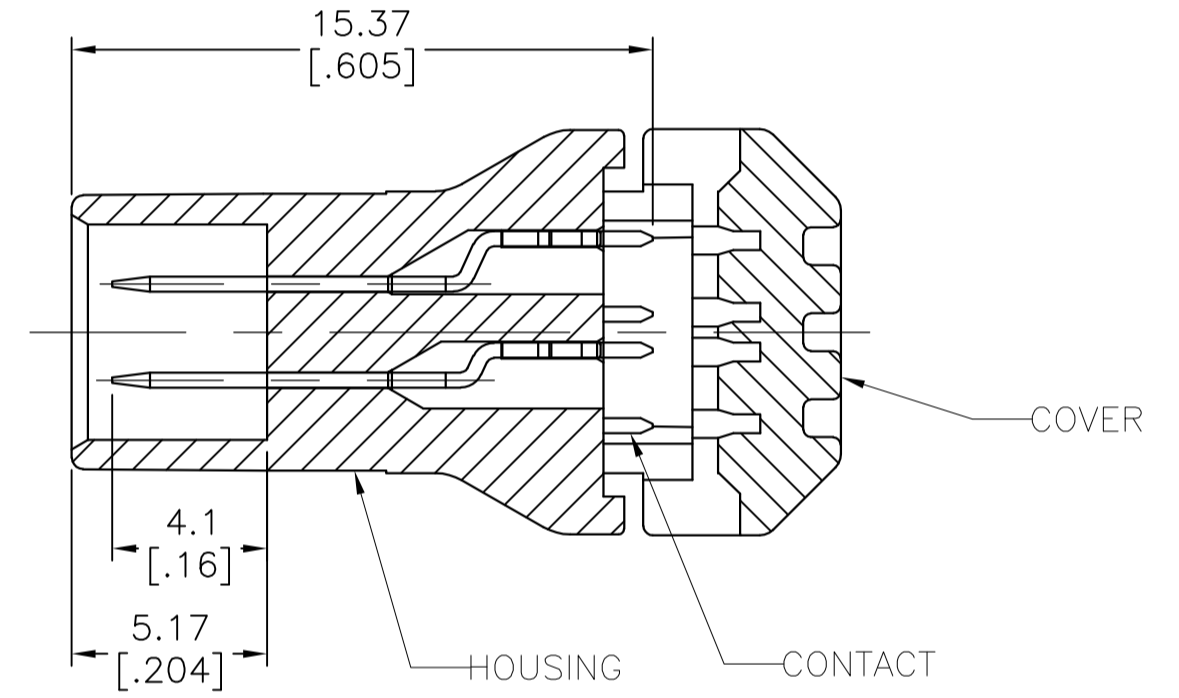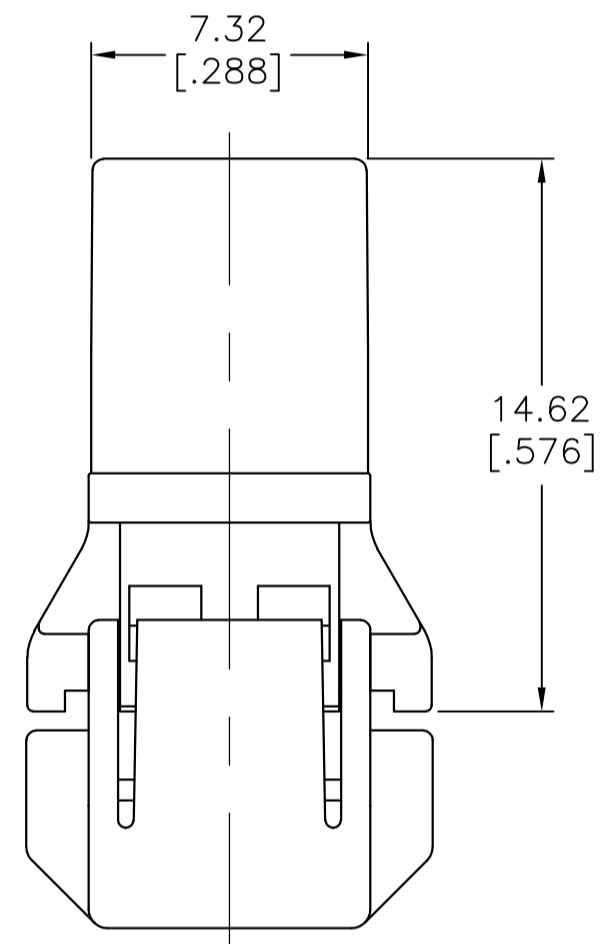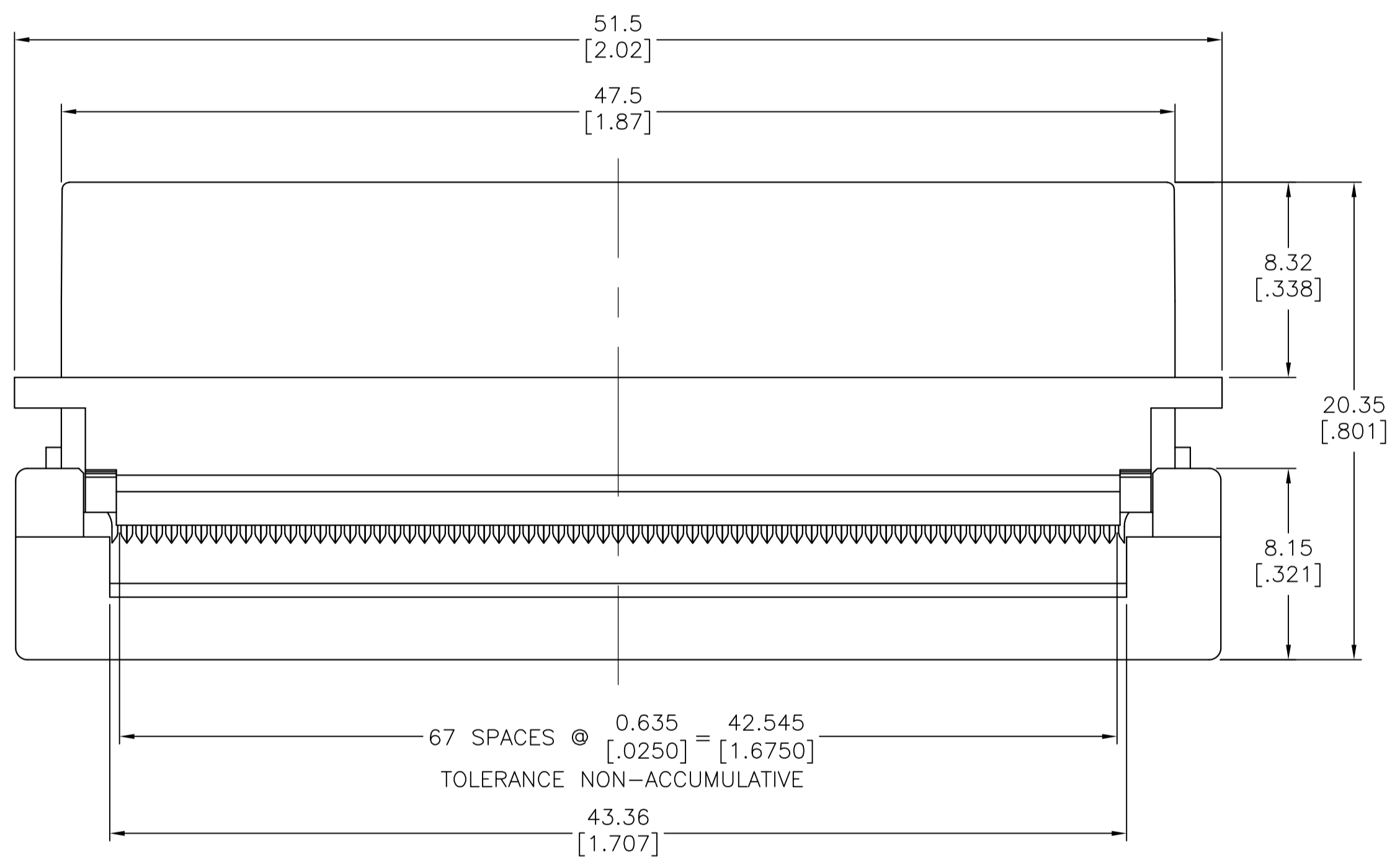**Conditions for Usage:**
- Applies To = Cable

Packaging Features:
- Packaging Method = Tube

Other:
- Brand = AMP

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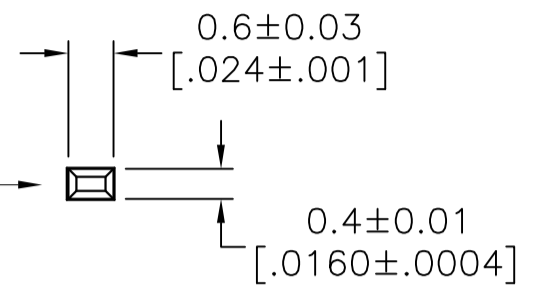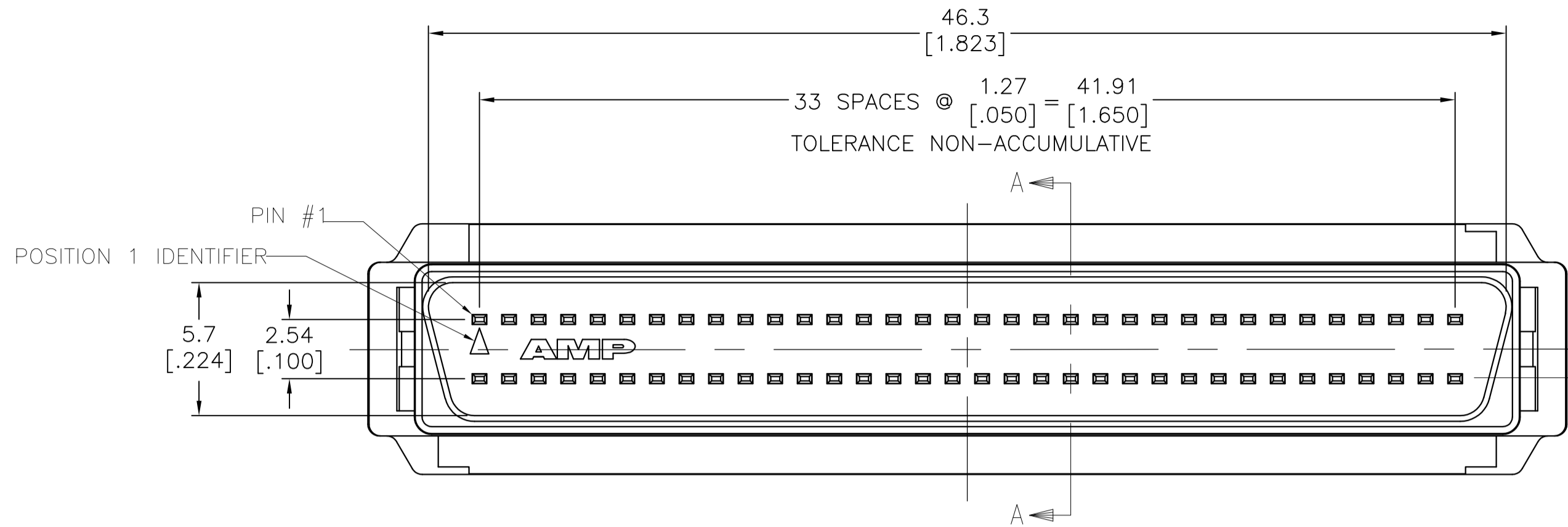
△1 HOUSING & COVER: PBT 30% GLASS FILLED, UL 94V-0 RATED, COLOR BLACK.
CONTACTS: PHOSPHOR BRONZE.

△2 CONTACTS: 0.00076[.000030] MIN GOLD ON MATING END, 0.00127[.000050]
MIN TIN ON TERMINATION END, ALL OVER 0.00127[.000050] MIN
NICKEL ON ENTIRE CONTACT.

△3 CONTACTS: 0.00038[.000015] MIN GOLD ON MATING END, 0.00127[.000050]
MIN TIN ON TERMINATION END, ALL OVER 0.00127[.000050] MIN
NICKEL ON ENTIRE CONTACT.

4. RECOMMENDED WIRE: 30 AWG OR 31 AWG, SOLID OR STRANDED, FLAT RIBBON
CABLE, PVC INSULATION.

5. DIMENSIONS SHOWN ARE FOR 68 POSITION ASSEMBLY.

46.3
[1.823]

33 SPACES @ 1.27 = 41.91
[.050]   [1.650]
TOLERANCE NON-ACCUMULATIVE

PIN #1

POSITION 1 IDENTIFIER

AMP

5.7
[.224]

2.54
[.100]

0.6±0.03
[.024±.001]

0.4±0.01
[.0160±.0004]

A

A

51.5
[2.02]

47.5
[1.87]

8.32
[.338]

20.35
[.801]

8.15
[.321]

67 SPACES @ 0.635 = 42.545
[.0250]   [1.6750]
TOLERANCE NON-ACCUMULATIVE

43.36
[1.707]

7.32
[.288]

14.62
[.576]

51.5
[2.02]

AMP

10.75
[.423]

15.37
[.605]

4.1
[.16]

5.17
[.204]

HOUSING

CONTACT

COVER

SECTION A-A

OBSOLETE	TUBE	△3	68	1-5786090-7
	TUBE	△2	68	5786090-7
PACKAGING	CONTACT FINISH	NO OF POS	PART NUMBER	

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN L. VARELA - DOCK5 02-18-05
CHK S. BOLASH 02-18-05
APVD M. WALMSLEY 02-18-05

≡TE TE Connectivity

NAME
PLUG ASSEMBLY, UNSHIELDED,
0.635[.025] CENTERLINE,
1.27[.050] SERIES, AMPLIMITE

DIMENSIONS:
mm [INCHES]

TOLERANCES UNLESS
OTHERWISE SPECIFIED:
0 PLC   ± -
1 PLC   ± 0.35[.014]
2 PLC   ± 0.25[.010]
3 PLC   ± 0.15[.006]
4 PLC   ± -
ANGLES   ± ± -

PRODUCT SPEC
108-1359

APPLICATION SPEC
114-40049

MATERIAL

FINISH
SEE TABLE

WEIGHT -

SIZE A1
CAGE CODE 00779
DRAWING NO
C-5786090

RESTRICTED TO
-

REV B1

CUSTOMER DRAWING

SCALE 1:1

SHEET 1 OF 1

4805 (3/11)