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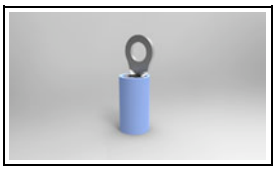
51864 Product Details



51864

TE Internal Number: 51864

Active

View 3D PDF

Ring and Spade Tongue Terminals

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Terminal Shape = Ring Tongue
- Receptacle Style = Straight
- Body Style = PIDG
- Barrel Type = Closed Barrel
- Wire/Cable Type = Regular Wire

View all Features

Quick Links

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

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

Documentation & Additional Information

Product Drawings:
- TERMINAL, RING TONGUE, PIDG, WIRE SIZE, 16-14 AWG (PDF, English)

Catalog Pages/Data Sheets:
- None Available

Product Specifications:
- None Available

Application Specifications:
- Pre-Insulated Diamond Grip (PIDG) Terminals, Splices... (PDF, English)

Instruction Sheets:
- None Available

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

List all Documents

Related Products:
- Tooling

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

Product Type Features:
- Terminal Shape = Ring Tongue
- Receptacle Style = Straight
- Barrel Type = Closed Barrel
- Wire/Cable Type = Regular Wire
- Insulation = Yes
- Insulation Support = Insulation Support
- Stud Diameter (mm [in]) = 3.68 [0.145]
- Stud Size = 6 [M3.5]
- Shape = RING-041
- Heavy Duty = No
- Finish = Tin
- Color = Blue

Electrical Characteristics:
- Voltage (VAC) = 300

Termination Features:
- Wire/Cable Size (CMA) = 2,050 – 5,180

Dimensions:
- Insulation Diameter (mm [in]) = 2.67 - 3.81 [.105 - .150]
- Length (mm [in]) = 21.44 [0.844]

Body Features:
- Body Style = PIDG
- Wire Range (mm [AWG]) = 1.25-2.00² [16-14]
- Material = Copper
- Tongue Material Thickness (mm [in]) = 0.79 [0.031]
- Insulation Material = Nylon
- Insulation Sleeve Material = Copper

Contact Features:
- Class = 1 & 2

Industry Standards:
- Government/Industry Qualification = Yes
- Government/Industry Part Number = MS25036-107
- 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

Packaging Features:
- Packaging Method = Loose Piece

Other:
- Brand = AMP

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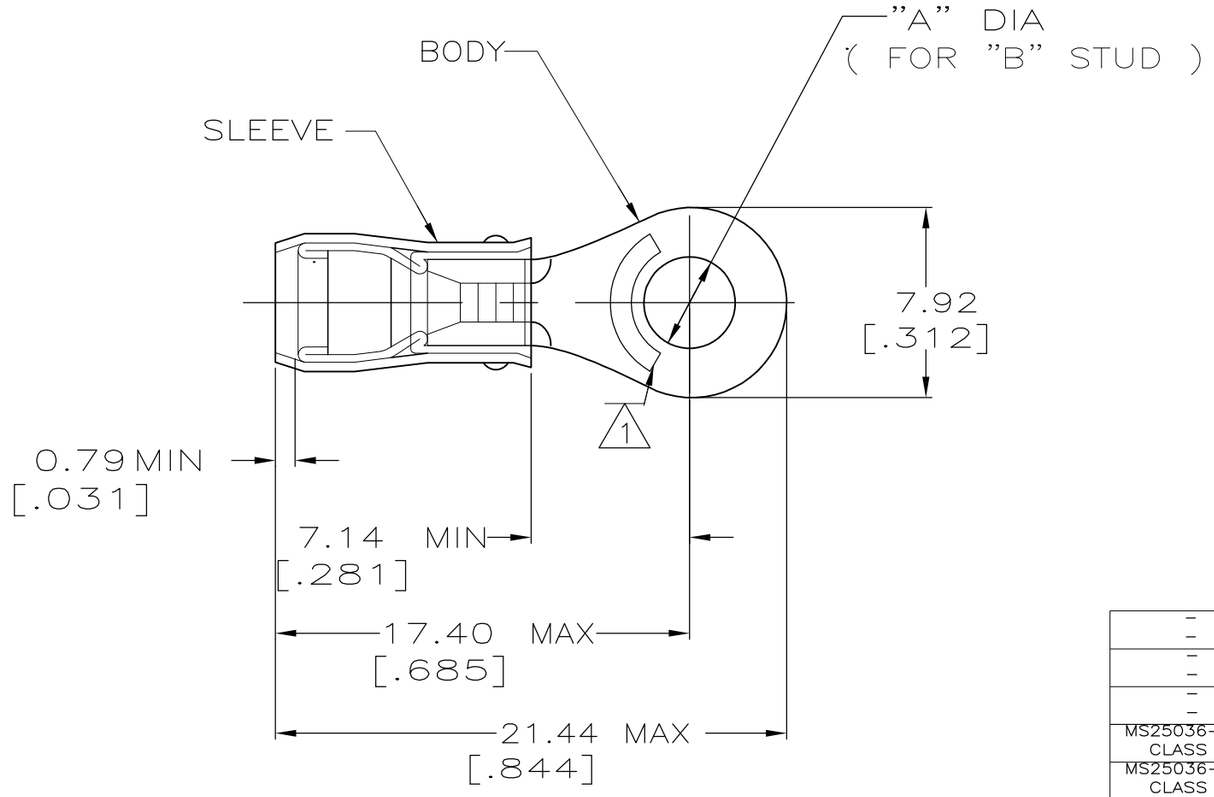
LOC	DIST
G	14

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	AB1	REVISED PER ECO–11–004587	11MAR11	RK	HMR

AMP WIRE RANGE	UL E13288 Listed	CSA LR7189 Certified
16–14 AWG SOLID OR STRANDED	16–14 AWG SOLID OR STRANDED	16–14 AWG SOLID OR STRANDED



1. STAMP AMP 16–14* APPROX AS SHOWN
2. WIRE INSULATION DIA: 2.67–3.81 [.105–.150]
3. TONGUE MATERIAL THK: 0.79±0.05 [.031±.002]

–	10	5.00±0.08 [.197±.003]	100	LOOSE PIECE, BOX	5–51864–1
–	8	4.34±0.08 [.171±.003]	100	LOOSE PIECE, BOX	4–51864–1
–	6	3.68±0.08 [.145±.003]	100	LOOSE PIECE, BOX	3–51864–1
MS25036–153 CLASS 2	8	4.34±0.08 [.171±.003]	5000	ON TAPE, REEL	51864–5
MS25036–108 CLASS 2	10	5.00±0.08 [.197±.003]	5000	ON TAPE, REEL	51864–4
MS25036–107 CLASS 2	6	3.68±0.08 [.145±.003]	5000	ON TAPE, REEL	51864–3
MS25036–108 CLASS 1 & 2	10	5.00±0.08 [.197±.003]	1000	LOOSE PIECE	51864–2
MS25036–153 CLASS 1 & 2	8	4.34±0.08 [.171±.003]	1000	LOOSE PIECE	51864–1
MS25036–107 CLASS 1 & 2	6	3.68±0.08 [.145±.003]	1000	LOOSE PIECE	51864
MILITARY P/N AND CLASS	"B"	DIM "A"	QUANTITY	PACKAGE TYPE	PART NO

AMP INCORPORATED
CUSTOMER SERVICE SYSTEMS

FOR ADDITIONAL PRODUCT INFORMATION OR COPIES OF DRAWINGS AND TECHNICAL DOCUMENTS	PRODUCT INFORMATION CENTER 1–800–522–6752
FOR APPLICATION TOOLING INFORMATION	TOOLING ASSISTANCE CENTER 1–800–722–1111
FOR ORDER ENTRY	1–800–526–5142

MAX RECOMMENDED OPERATING TEMPERATURE: 105° C MAX

VOLTAGE RATING: 300 V MAX

CIRCULAR MIL AREA: 1.04–2.62mm² [2050–5180] CIR MILS SOLID OR STRANDED

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THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm[INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	± –
1 PLC	± –
2 PLC	± 0.20[.008]
3 PLC	± –
4 PLC	± –
ANGLES	± –

MATERIAL: COPPER PER ASTM B–152 SLEEVE, BLUE NYLON

FINISH: TIN PLATE PER ASTM B545

DWN	JR RUTH 27OCT99
CHK	RE HERSEY 27OCT99
APVD	C PRESNELL 27OCT99
PRODUCT SPEC	UL 486A
APPLICATION SPEC	
WEIGHT	–

TE Connectivity

NAME: TERMINAL, RING TONGUE, PIDG, WIRE SIZE, 16–14 AWG TM

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C–51864	–

CUSTOMER DRAWING | SCALE NTS | SHEET 1 OF 2 | REV AB1

CUSTOMER DRAWING

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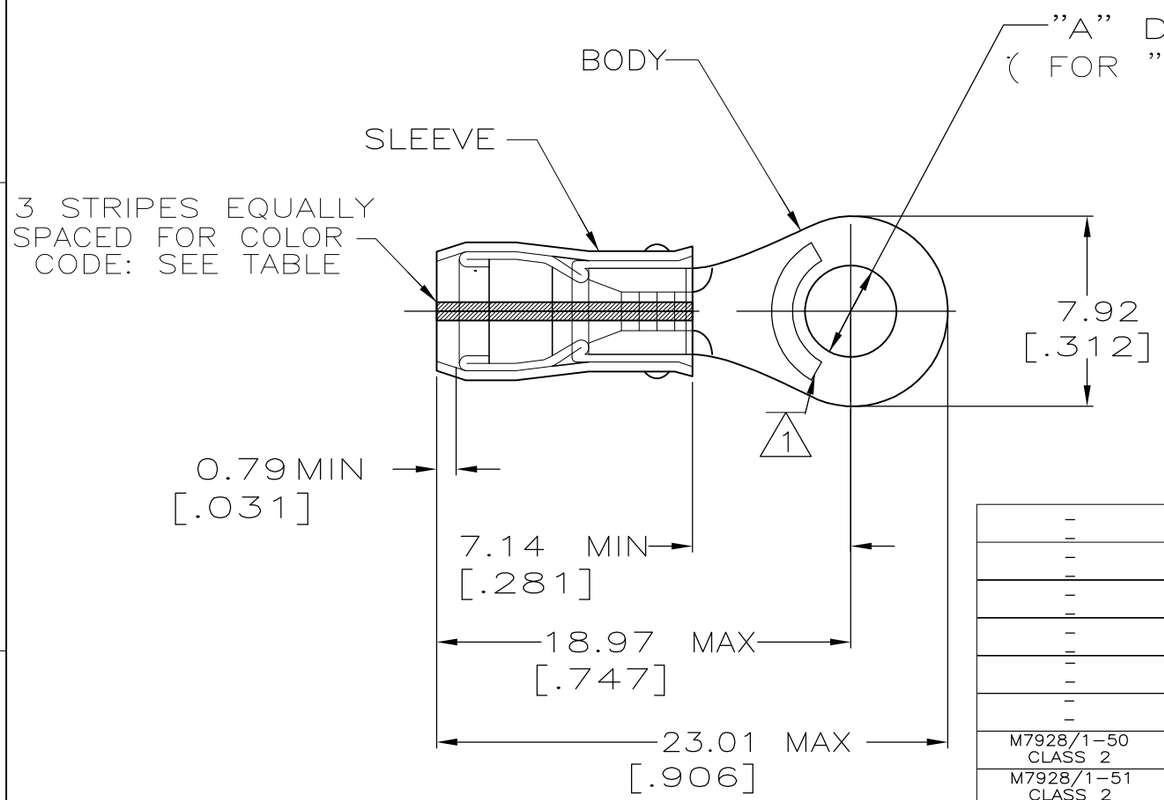
LOC	DIST
G	14

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	AB1	REVISED PER ECO-11-004587	11MAR11	RK	HMR

AMP WIRE RANGE

SEE TABLE STRANDED



1 STAMP AMP ☐ APPROX AS SHOWN SEE TABLE BELOW

2 WIRE INSULATION DIA: 1.60–3.30 [.063–.130] FOR 16 AWG
1.98–3.30 [.078–.130] FOR 14 AWG

3 TONGUE MATERIAL THK: 0.79±0.05 [.031±.002]

MILITARY P/N AND CLASS	STRIPE COLOR	1	WIRE SIZE	"B"	DIM "A"	QUANTITY	PACKAGE TYPE	PART NO
–	GREEN	14*	14	8	4.34±0.08 [.171±.003]	100	LOOSE PIECE, BOX	9-51864-5
–	BLUE	16*	16	8	4.34±0.08 [.171±.003]	100	LOOSE PIECE, BOX	9-51864-3
–	GREEN	14*	14	10	5.00±0.08 [.197±.003]	100	LOOSE PIECE, BOX	9-51864-1
–	GREEN	14*	14	6	3.68±0.08 [.145±.003]	100	LOOSE PIECE, BOX	8-51864-1
–	BLUE	16*	16	10	5.00±0.08 [.197±.003]	100	LOOSE PIECE, BOX	7-51864-1
–	BLUE	16*	16	6	3.68±0.08 [.145±.003]	100	LOOSE PIECE, BOX	6-51864-1
M7928/1-50 CLASS 2	GREEN	14*	14	8	4.34±0.08 [.171±.003]	5000	ON TAPE, REEL	1-51864-7
M7928/1-51 CLASS 2	GREEN	14*	14	10	5.00±0.08 [.197±.003]	5000	ON TAPE, REEL	1-51864-5
M7928/1-42 CLASS 2	BLUE	16*	16	10	5.00±0.08 [.197±.003]	5000	ON TAPE, REEL	1-51864-3
M7928/1-40 CLASS 2	BLUE	16*	16	6	3.68±0.08 [.145±.003]	5000	ON TAPE, REEL	1-51864-2
M7928/1-50 CLASS 1 & 2	GREEN	14*	14	8	4.34±0.08 [.171±.003]	1000	LOOSE PIECE	1-51864-1
M7928/1-41 CLASS 1 & 2	BLUE	16*	16	8	4.34±0.08 [.171±.003]	1000	LOOSE PIECE	1-51864-0
M7928/1-51 CLASS 1 & 2	GREEN	14*	14	10	5.00±0.08 [.197±.003]	1000	LOOSE PIECE	51864-9
M7928/1-49 CLASS 1 & 2	GREEN	14*	14	6	3.68±0.08 [.145±.003]	1000	LOOSE PIECE	51864-8
M7928/1-42 CLASS 1 & 2	BLUE	16*	16	10	5.00±0.08 [.197±.003]	1000	LOOSE PIECE	51864-7
M7928/1-40 CLASS 1 & 2	BLUE	16*	16	6	3.68±0.08 [.145±.003]	1000	LOOSE PIECE	51864-6

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MAX RECOMMENDED OPERATING TEMPERATURE: 105° C MAX

VOLTAGE RATING: 300 V MAX

WIRE RANGE:	CIRC MIL AREA:
16	1.42mm² [2800]
14	2.15mm² [4234]

STRANDED

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm[INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	± –
1 PLC	± –
2 PLC	± 0.20[.008]
3 PLC	± –
4 PLC	± –
ANGLES	± –

MATERIAL: COPPER PER ASTM B-152 SLEEVE, BLUE NYLON

FINISH: TIN PLATE PER ASTM B545

DWN	JR RUTH	26OCT99
CHK	RE HERSEY	26OCT99
APVD	C PRESNELL	26OCT99
PRODUCT SPEC	–	
APPLICATION SPEC	NOT AVAILABLE	
WEIGHT	–	

TE Connectivity

NAME: TERMINAL, RING TONGUE, I.R., PIDG™, WIRE SIZE, 16-14AWG

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-51864	–

CUSTOMER DRAWING | SCALE NTS | SHEET 2 OF 2 | REV AB1