TE connectivity

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Have a Question?
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Information Specialist

What can we help you find?

Products   **Industries**   **Resources**   **About TE**   **My Account**   **Innovation**   **Support Center**

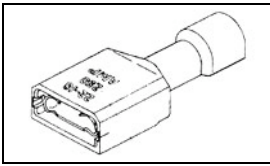# 2-520403-2 Product Details

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2-520403-2

TE Internal Number: 2-520403-2

Active

View 3D PDF

Ultra-Fast Receptacles & Tabs

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Terminal Type = Receptacle
- Proprietary Name = Ultra-Fast Plus
- Receptacle Style = Straight
- Mating Area Interface Dimensions = 4.75 x 0.81 mm
- Brass Material

View all Features

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

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

Documentation & Additional Information

Product Drawings:
- RECEPTACLE ASSY,ULTRA-FAST PLUS, .187 SERIES,22-18 AWG (PDF, English)

Catalog Pages/Data Sheets:
- Ultra-Fast and Ultra Fast Plus (PDF, English)

Product Specifications:
- None Available

Application Specifications:
- None Available

Instruction Sheets:
- None Available

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

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:
- Receptacle Style = Straight
- Insulation Support = Insulation Support
- Finish = Tin

Dimensions:
- Mating Area Interface Dimensions (mm [in]) = 4.75 x 0.81 [.187 x .032]
- Insulation Diameter (mm [in]) = 1.52-3.42 [.060-.135]

Body Features:
- Material = Brass
- Wire Range (mm [AWG]) = 0.30-0.90² [22-18]
- Fully Insulated = Yes

Contact Features:
- Terminal Type = Receptacle

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
- UL Flammability Rating = UL 94V-2

Packaging Features:
- Packaging Method = Strip

Other:
- Proprietary Name = Ultra-Fast Plus
- Brand = AMP

| 4 | 3 | 2 | 1 |

LOC	DIST		REVISIONS					
AF	50	P	LTR	DESCRIPTION	DATE	DWN	APVD	
			M	REVISED PER ECR-12-005303	23JUL12	KH	KR	
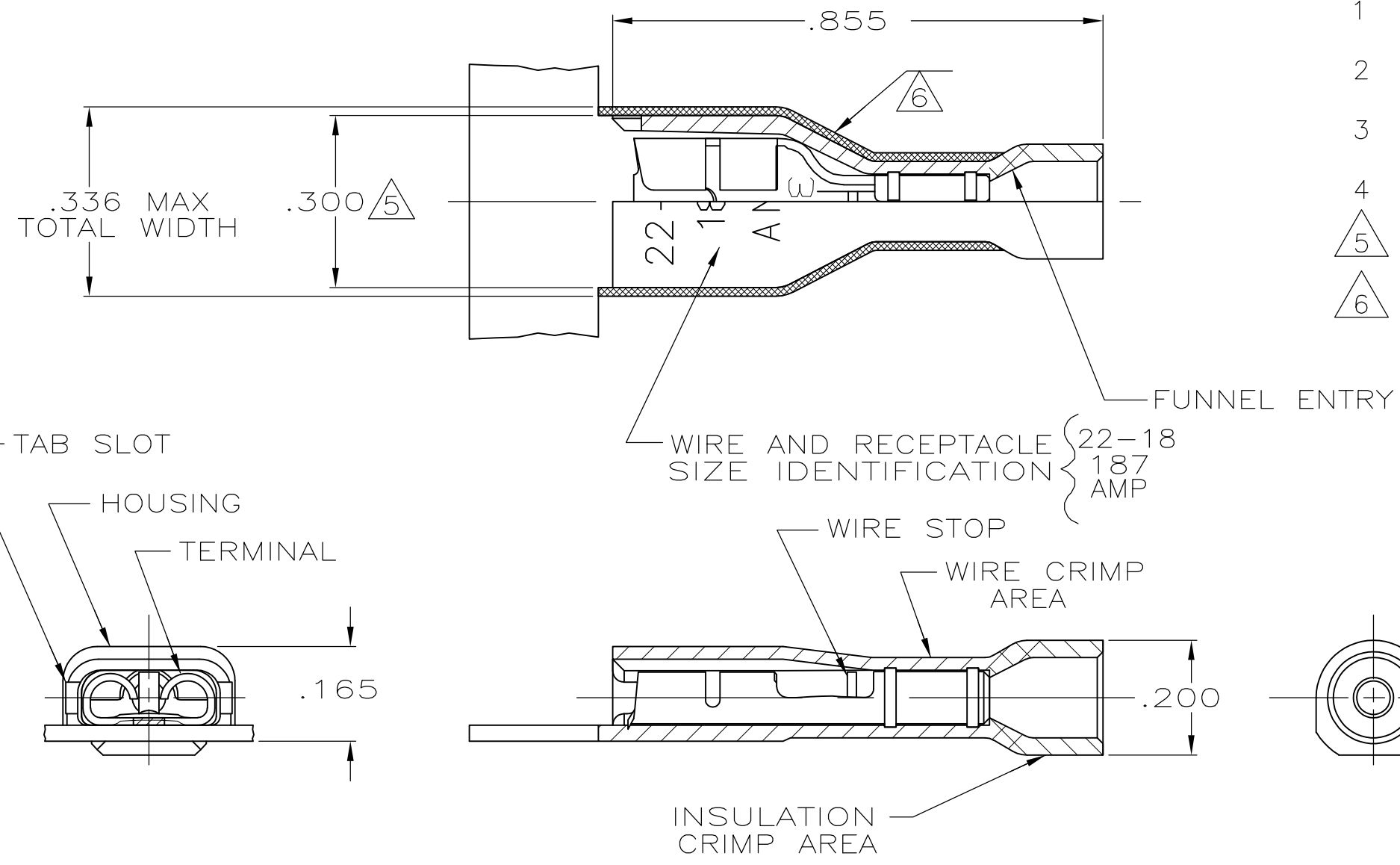
1 MATES WITH .032±.001x.187 TAB

2 WIRE STRIP LENGTH .281

3 INSULATION SIZE .060-.135 DIA

4 CONTINUOUS STRIP ON REELS

⑤ DIMENSION DOES NOT INCLUDE TRIM BURR

⑥ .015 MAX CARRIER TRIM BURR PER SIDE
   IS ALLOWABLE IN THE SHADED AREA

.855

.336 MAX TOTAL WIDTH

.300 ⑤

⑥

22-18 187 AMP

FUNNEL ENTRY

WIRE AND RECEPTACLE SIZE IDENTIFICATION { 22-18 187 AMP

TAB SLOT

HOUSING

TERMINAL

.165

WIRE STOP

WIRE CRIMP AREA

.200

INSULATION CRIMP AREA

HOUSING:NYLON,COLOR-RED TRANSLUCENT
RECEPTACLE:#3 HARD BRASS
TIN

2-520403-2

MATERIAL & FINISH

PART NO

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN	P FORTNEY	10/31/88
CHK	MS FEHER	11/4/88
APVD	K RANDOLPH	11/4/88

PRODUCT SPEC
108-2044

APPLICATION SPEC
114-2123

≡TE TE Connectivity

NAME
RECEPTACLE ASSY,ULTRA-FAST PLUS,
.187 SERIES,22-18 AWG

DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	
	0 PLC	± —
	1 PLC	± —
	2 PLC	± —
	3 PLC	± .015
	4 PLC	± —
	ANGLES	± —

MATERIAL	FINISH
SEE TABLE	SEE TABLE

WEIGHT —

SIZE	CAGE CODE	DRAWING NO		RESTRICTED TO
A3	00779	C-520403		—

CUSTOMER DRAWING

| SCALE 4:1 | SHEET 1 OF 1 | REV M |

1470-19 (3/11)