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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	REVISED PER ECO-13-018297	26NOV13	MGM	CT

Technical drawing showing a wire terminal assembly with the following dimensions and callouts:

- Overall length: 3.82 MAX
- Outer diameter: $\phi .88$ MAX
- Inner diameter: $\phi .56$ MIN
- Wire diameter: $\phi .390 \pm .005$ FOR 3/8 STUD 2 PLC
- Stamp: AMP 3/0 AL 13-78 (Callout 4)
- Distance from stamp to end: .44 MIN
- Distance from stamp to center: 1.000 ± .010
- Distance from center to end: .38 MAX
- End diameter: $.985^{+.005}_{-.010}$ (Callout 2)
- Inner diameter at end: $\phi .70$ MIN

- 1 WIRE INSULATION: .571-.633 DIA
- 2 THE TONGUE RADIUS FEATURE IS NOT A TOOLING CONTROLLED DIMENSION AND MAY NOT BE A TRUE RADIUS.
- 3 .020 FLASH PERMITTED ON WIRE BARRELL DUE TO IMPACTING
- 4 STAMP "AMP 3/0 AL 13-78" SIZE AND LOCATION APPROX AS SHOWN
5. STUD HOLES SHALL HAVE NO DETACHABLE BURRS THAT WOULD RESULT IN EXPOSED BASE METAL

Cross-sectional view of the wire terminal assembly with labels and dimensions:

- Labels: FUNNEL, INSERT, BODY
- INSULATION DEPTH: .63 MIN
- CONDUCTOR DEPTH: 1.48 MIN
- Dimension: $.132^{+.010}_{-.005}$

BODY: COPPER ASTM-B187 ANNEALED TIN PL PER ASTM B-545 .000150 MIN THK	696825-1
INSERT & FUNNEL: BRASS PER ASTM B36 NICKEL PLATE SAE AMS QQ-N-290A, DATED JULY 2000, .000100 MIN THK	
MATERIAL & FINISH	PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	JR RUTH	30SEP05		TE Connectivity								
DIMENSIONS: INCHES		CHK	MJ SPICER	30SEP05		NAME	WIRE TERMINAL, COPALUM SEALED, RING TONGUE, WIRE SIZE: 3/0 ALUMINUM							
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	MJ SPICER	30SEP05			PRODUCT SPEC	SIZE	CAGE CODE					
0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .008 4 PLC ± - ANGLES ± -		APPLICATION SPEC	-	-		DRAWING NO		RESTRICTED TO						
MATERIAL SEE TABLE		FINISH	SEE TABLE	WEIGHT	111 GRAMS	A2	00779	C=696825	SCALE	2:1	SHEET	1 of 1	REV	H
		CUSTOMER DRAWING												

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