

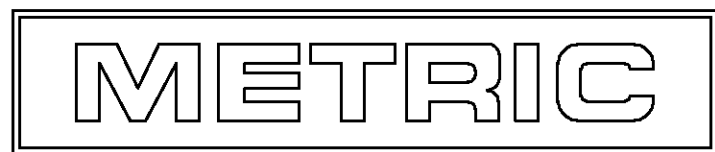
LOC	DIST	REVISIONS					
CM	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			H	REV PER ECN 0G3B-0324-03	11JUN03	SC	DB

Technical drawing of a 3-pin AMP connector. The drawing includes a top view, a side view, and a cross-sectional view. The top view shows a rectangular component with three pins and a label 'AMP' and '1 2 3'. The side view shows the profile of the component with dimensions. The cross-sectional view shows the internal structure of the pins and the housing. Dimensions are given in inches and millimeters.

Dimensions (inches [millimeters]):

- Overall width: 6.99 [.275]
- Pin pitch: 1.91 [.075]
- Pin diameter: 0.48 ± 0.08 [.019 ± .003]
- Pin length: 2.54 ± 0.05 [.100 ± .002]
- Pin thickness: 1.42 ± 0.10 [.056 ± .004]
- Pin spacing: 4.67 ± 0.08 [.184 ± .003]
- Pin height: 3.66 ± 0.08 [.144 ± .003]
- Overall height: 6.99 [.275]
- Pin height (typical): 2.54 [.100]
- Pin height (typical): .94 ± 0.08 [.037 ± .003]

1. MATERIAL: CONNECTOR — NYLON UL94V-2 (WHITE).
CONTACTS — 0.30[.012] THICK COPPER ALLOY
BRIGHT TIN-LEAD .00203[.00080] MIN THICKNESS
FOR 643814-2 THRU 2-643814-8.
BRIGHT TIN .00305[.000120] MIN THICKNESS
FOR 3-643814-2 THRU 5-643814-8.
2. CONTACTS ACCEPT 24 AWG WIRE WITH 1.52[.060] MAX
INSULATION DIAMETER.
3. CONTACTS MUST ACCEPT 0.64 ± 0.03 [.025]
POST AND REMAIN LOCKED IN POSITION.
4. IDENTIFICATION NUMBER FOR LAST CIRCUIT MAY
NOT APPEAR ON ALL ASSEMBLIES.
5. DIMENSIONS IN BRACKETS ARE IN INCHES.
6. HOUSING FEATURES ARE: CLOSED END WITH
LOCKING RAMP AND WITH POLARIZING TAB.



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN S. CARPENTER		11/JUN/2003				Tyco Electronics Corporation	
		CHK D. BOSSI		11/JUN/2003		Harrisburg, PA 17105			
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APD D. BOSSI		11/JUN/2003		NAME	
		0 PLC ± 1 PLC ± 2 PLC ± 3 PLC ± 0.13 [.005] 4 PLC ± ANGLES ±		PRODUCT SPEC 108-1050		APPLICATION SPEC 114-1019		MTA-100 CONNECTOR ASSEMBLY, 24 AWG, STANDARD	
MATERIAL		FINISH		WEIGHT		SIZE A2		CAGE CODE 00779	
				CUSTOMER DRAWING		DRAWING NO G-643814		RESTRICTED TO —	
						SCALE 5:1		SHEET 1 OF 1	
						REV H			