



DETAIL S  
SCALE 20:1  
SEE TABLE

- 1 COPPER ALLOY.
- 2 1.27µm [.000050] MIN. GOLD PER MIL-G-45204 OVER  
2.54µm [.000100] MIN. NICKEL PER QQ-N-290 IN LOCALIZED PLATE AREA.
- 3 0.76µm [.000030] MIN. GOLD PER MIL-G-45204 IN LOCALIZED GOLD PLATE AREA, 0.025µm [.000001] MIN. GOLD FLASH PER MIL-G-45204 ON REMAINDER, BOTH OVER 1.27µm [.000050] MIN. NICKEL PER QQ-N-290.
- 4 0.76µm [.000030] MIN. GOLD PER MIL-G-45204 OVER  
2.54µm [.000100] MIN. NICKEL PER QQ-N-290 IN LOCALIZED PLATE AREA.
- 5 2.54µm [.000100] MIN. TIN-LEAD OVER  
1.27µm [.000050] MIN. NICKEL PER QQ-N-290 IN LOCALIZED PLATE AREA.
- 6 PRE-NOTCH SHOULD BREAK WITH 120° BEND.
- 7 POST TIP IS MATEABLE WITH FEMALE CONNECTOR.
- 8. TYPICAL REEL QUANTITY IS 50,000±5,000 POSTS.
- 9. RECOMMENDED BOARD THICKNESS IS 2.36-3.18 [.093-.125].
- 10. REQUIRED HOLE DIAMETER TOLERANCES:

HOLE DIA. ±0.03[.001]	PLATING THICKNESS		HOLE DIA.		COPPER HARDNESS KNOOP	PAD DIA. MIN.
	COPPER	TIN-LEAD	AFTER PLATING	AFTER REFLOW		
1.151 [.0453]	0.03-0.08 [.001-.003]	0.008 MIN. [.0003]	0.94-1.09 [.037-.043]	0.94-1.09 [.037-.043]	150 MAX.	1.57 [.062]
1.151 [.0453]	NOT PLATED THRU					1.65 [.065]

- 12 2.54µm [.000100] MIN. TIN OVER  
1.27µm [.000050] MIN. NICKEL PER QQ-N-290 IN LOCALIZED PLATE AREA.
- 13 2.54µm [.000100] MIN. MATTE TIN OVER.  
1.27µm [.000050] MIN. NICKEL PER QQ-N-290 IN LOCALIZED PLATE AREA.

PER DETAIL S	COMB NUMBER	D	C	B	A	FINISH	PART NUMBER
-	-	26.19 [1.031]	12.70 [.500]	-	20.78 [.818]	13	7-117249-0
PER DETAIL S	-	30.94 [1.218]	17.45 [.687]	5.84 [.230]	25.53 [1.005]	12	6-117249-8
-	-	30.94 [1.218]	17.45 [.687]	-	25.53 [1.005]	12	6-117249-7
PER DETAIL S	-	30.94 [1.218]	17.45 [.687]	5.84 [.230]	25.53 [1.005]	5	6-117249-6
-	-	30.94 [1.218]	17.45 [.687]	-	25.53 [1.005]	5	6-117249-5
PER DETAIL S	-	30.94 [1.218]	17.45 [.687]	5.84 [.230]	25.53 [1.005]	3	6-117249-3
PER DETAIL S	-	30.94 [1.218]	17.45 [.687]	7.19 [.283]	25.53 [1.005]	3	6-117249-1
-	-	26.19 [1.031]	12.70 [.500]	-	20.78 [.818]	5	5-117249-6
-	118470	26.19 [1.031]	12.70 [.500]	-	20.78 [.818]	3	3-117249-2
PER DETAIL S	118385	30.94 [1.218]	17.45 [.687]	4.57 [.180]	25.53 [1.005]	3	3-117249-1
-	117249	30.94 [1.218]	17.45 [.687]	-	25.53 [1.005]	4	1-117249-2
-	117820	30.94 [1.218]	17.45 [.687]	-	25.53 [1.005]	3	117249-7
-	117259	30.94 [1.218]	17.45 [.687]	-	25.53 [1.005]	2	117249-2

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DIN D.HARDY 24JAN00	tyco Electronics	Tyco Electronics Corporation Harrisburg, Pa 17105-3608
0 PLC ± -	1 PLC ± -	CHK M.MILLER 04FEB00	NAME	POST, FEED-THRU ECONOMATE
2 PLC ± ± 0.25[.010]	3 PLC ± -	APVD M.MILLER 04FEB00	PRODUCT SPEC	SIZE A1
4 PLC ± -	ANGLES ± ± °	APPLICATION SPEC	RESTRICTED TO	SCALE 10:1 SHEET 1 OF 1 REV AJ
MATERIAL 1	FINISH SEE TABLE	WEIGHT -	CAGE CODE 00779	DRAWING NO. 117249
CUSTOMER DRAWING		SCALE 10:1 SHEET 1 OF 1 REV AJ		