

TMCM Flex Adaptor Installation Inspection Record

Ref. Para. No.	DESCRIPTION OF INSPECTION	INSPECTION CRITERIA	COMMENTS	INSPECTION RESULTS (Identify discrepancies as applicable)
1.8	Record TMCM Part. No.	Record either LAT-DS-00898 or LAT-DS-00899	TMCM Part No. <u>-00077</u> <u>-00067</u>	Record information
1.8	Record TMCM Serial No.	Serial No. is located on front of PWB, lower right corner.	TMCM Serial No. <u>#573</u> <u>#515</u>	Record information
1.8	Inspected by	Enter Inspectors name or initials.	Inspected by <u>D. RICA</u> <u>D. RICA</u>	Record information
1.8	Record date of inspection		Date <u>12/5/03</u> <u>12/5/03</u>	Record information
3.0	Inspection (10-30x magnification)			
3.1	Pitch Adaptor Alignment			
3.1	Verify that Pitch Adaptor alignment is within Record direction and magnitude of offset of Pitch Adaptor alignment on left side as depicted in Figure #2.	The Pitch Adaptor trace shall not exceed than one trace width mis-alignment. (lbr)	The left side Pitch Adaptor trace is offset to the (center/left/right) direction by <u>GOOD</u>	
3.1	Record direction and magnitude of offset of Pitch Adaptor alignment at center location as depicted in Figure #2.	The Pitch Adaptor trace shall not exceed than one trace width mis-alignment. (lbr)	The center location Pitch Adaptor trace is offset to the (center/left/right) direction by <u>GOOD</u>	
3.1	Record direction and magnitude of offset of Pitch Adaptor alignment on right side as depicted in Figure #2.	The Pitch Adaptor trace shall not exceed than one trace width mis-alignment. (lbr)	The right side Pitch Adaptor trace is offset to the (center/left/right) direction by <u>GOOD</u>	
3.2	Inspection of ends			
3.2	Verify that the alignment of the end traces of Pitch Adaptor are located on PWB and do not overextend past end of PWB.		<u>✓</u>	
3.2	Verify that end of the Pitch Adaptor is trimmed cleanly and does not exhibit tearing.		<u>✓</u>	
3.2	Verify that the Pitch Adaptor is firmly bonded to the PWB (specifically check at the corners) and no there is no visible de-bonding or voids present.		<u>✓</u>	
3.2	Verify that there is no visible delamination of PWB.		<u>✓</u>	

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3.3	Inspection of Trace Surface (on Teledyne side)		✓	✓
3.3	Traces are clean with no particulate or residue present.		✓	✓
3.3	Verify no traces are cut or deformed.		✓	✓
3.3	Verify that each individual traces are isolated from their neighboring traces.		✓	✓
3.3	Verify that there are no particulates, contamination due to residues, or gold Pitch adaptor trimmed ends present.		✓	✓
3.3	Verify that the trace surfaces of the Pitch Adaptor do not exhibit any bubbles or dimples.		✓	✓
3.4	Inspection of Trim (Teledyne side)		✓	✓
3.4	Verify that end of the Pitch Adaptor is trimmed cleanly and does not exhibit tearing.		✓	✓
3.4	Verify that there is no "smearing" of metallic traces down edge of Riser.		✓	✓
3.4	Verify that each individual traces are isolated from their neighboring traces.		✓	✓
3.4	Verify that there is no excess epoxy squeeze-out on Teledyne side of Pitch Adaptor.		✓	✓
3.4	Verify that there is no "cutting" or delamination of PWB or Riser.		✓	✓
3.5	Inspection of Radius		✓	✓
3.5	Traces are clean with no particulate or residue present.		✓	✓
3.5	Verify no traces are cut or deformed.		✓	✓
3.5	Verify that each individual traces are isolated from their neighboring traces.		✓	✓
3.5	Verify that there are no particulates, contamination due to residues, or gold Pitch adaptor trimmed ends present.		✓	✓
3.5	Verify that the trace surfaces of the Pitch Adaptor do not exhibit any bubbles or dimples.		✓	✓
3.6	Inspection of Trace Surface (Italian side)		✓	✓
3.6	Traces are clean with no particulate or residue present.		✓	✓
3.6	Verify no traces are cut or deformed.		✓	✓

REMAINT
SMALL TRACE ABOVE PAD #13
CLEAN & REMOVED WITH
Q TIP.

SOME MINOR
DEFORM ABOVE
PAD #2

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3.6	Verify that each individual traces are isolated from their neighboring traces.		✓	✓	
3.6	Verify that there are no particulates, contamination due to residues, or gold Pitch adaptor trimmed ends present.		✓	✓	
3.6	Verify that the trace surfaces of the Pitch Adaptor do not exhibit any bubbles or dimples.		✓	✓	
3.7	Bonding & Trim (Italian side)				
3.7	Verify that ends and corners of Pitch Adaptor are not lifted or have come de-bonded.		✓	✓	
3.7	No visible void areas of epoxy under Pitch Adaptor. Look for consistent bond squeeze-out in all areas along Pitch Adaptor.		✓	✓	
3.7	Verify that end of the Pitch Adaptor is trimmed cleanly and does not exhibit tearing.		✓	✓	
3.7	Verify that there is no "smearing" of metallic traces down back face of PWB.		✓	✓	
3.7	Verify that there is no excess epoxy squeeze-out on Italian side of Pitch Adaptor.		✓	✓	
3.7	Verify that there is no "cutting" or delamination of PWB.		✓	✓	
3.7	Verify that there are no "lifted" traces elements off surface of Pitch Adaptor.		✓	✓	
3.7	Verify that each individual traces are isolated from their neighboring traces.		✓	✓	
3.7	Verify that there are no particulates, contamination due to residues, or gold Pitch adaptor trimmed ends present.		✓	✓	
3.8	Pitch Adaptor straightness (Italian side)				
3.8	Inspection Orientation: This inspection is performed by viewing toward the back of the PWB, examining area of Italian trace surfaces. Reference Photo #XX				
3.8	Verify that there is no visible deviation (from straightness) of greater than 1 trace width in magnitude. Note that one (1) trace width is equal to 0.100 microns (0.004 inches).		EST: .025-.05 mm ✓	MICRON V0.05 0.025 P25 ONE HALF P25	