

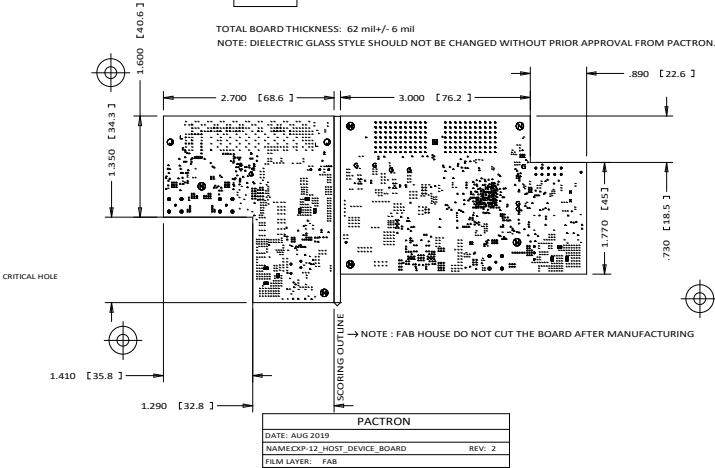
REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL
1	INITIAL RELEASE	MAR 2019	
2	REVISION	AUG 2019	

GLASS TYPE	STACKUP - 6 LAYERS
2116	TOP (0.5 oz PLATING) N4000-135I DIELECTRIC (3.00 mils) 02_0002 (1 oz) TU-768 DIELECTRIC (21.40 mils) TU-768 03_040 (1 oz) DIELECTRIC (4.00 mils) TU-768 04_PAWR (1 oz) DIELECTRIC (21.40 mils) TU-768 05_0002 (1 oz) N4000-135I DIELECTRIC (3.00 mils) BOTTOM (0.5 oz PLATING)
2116	

CONTROLLED IMPEDANCE REQUIRED

50 OHM SINGLE	75 OHM SINGLE WITH MASK	75 OHM SINGLE WITH OUT MASK	90 OHM DIFFERENTIAL	100 OHM DIFFERENTIAL
6 MILS	22 MILS	23 MILS	4.5/4 MILS	4/9 MILS 5.5/12 MILS
4.5 MILS	---	---	---	3.75/10 MILS
6 MILS	---	---	---	4/9 MILS 5.5/12 MILS

TOTAL BOARD THICKNESS: 62 mil +/- 6 mil
NOTE: DIELECTRIC GLASS STYLE SHOULD NOT BE CHANGED WITHOUT PRIOR APPROVAL FROM PACTRON.



- NOTES: UNLESS OTHERWISE SPECIFIED
1. MATERIAL: N4000-135I AND TU-768.
 2. GENERAL PLATING - ENIG
 3. ALL HOLES ARE PLATED THRU UNLESS OTHERWISE SPECIFIED
MINIMUM PLATING FOR ALL THROUGH HOLE SHOULD BE 0.001" Cu
 4. THROUGH HOLES PLATING THICKNESS SHOULD BE CONTROLLED BETWEEN 1.0 TO 1.5 MILS PER SIDE.
 5. SILKSCREEN BOTH SIDES WITH NON-CONDUCTIVE WHITE INK
 6. FABRICATE PER DIMENSIONS SHOWN.
 7. SOLDER MASK TOP AND BOTTOM SIDES WITH LIQUID PHOTO IMAGABLE OR DRY FILM SOLDER MASK. COLOR BLUE.
 8. TOTAL BOARD THICKNESS: 62 mil +/- 6 mil
6 LAYER CONSTRUCTION. REFER STACKUP
 9. THEIVING IS OPTIONAL. IF ADDED IT NEED TO BE KEPT AWAY FROM ANY CONDUCTORS BY 300 MIL AFTER APPROVAL FROM PACTRON.
 10. THIS IS A ROHS COMPLIANT BOARD
 11. BOARD MUST BE UL 94V-1 APPROVED.
 12. FABRICATE BOARD PER IPC-A-600D STANDARD.
 13. CLIP SILKSCREEN ON NO MASK AREA.
 14. IMPEDANCE TOLERANCE SHOULD BE +/- 5%.
 15. NO VENDOR LOGO, ART WORKS SHOULD NOT BE CHANGED WITHOUT PRIOR APPROVAL FROM PACTRON
 16. DEBURR ALL SHARP EDGES
 17. REMOVE UNUSED PADS IN ALL INNER LAYERS.
 18. BOARD DIMENSIONS ARE IN INCHES[MM].
 19. WARP & TWIST: SHALL NOT EXCEED 0.005 INCHES PER INCH
 20. NEED RECTANGLE SLOT AS MENTIONED DIMENSION IN THE DRILL TABLE.
 21. PROVIDE SOFT COPY OF TDR REPORT FOR OUTER LAYERS.
 22. ALL THE TRACE WIDTH MENTIONED IN IMPEDANCE TABLE ARE FINISHED TRACE WIDTH
THERE SHOULD NOT BE ANY DEVIATIONS IN TRACE WIDTH AFTER MANUFACTURING
 23. NICKEL CONTENT ON OUTER LAYERS SHOULD BE VERY MINIMAL POSSIBLE
TRY TO ACHIEVE THICKNESS IN OUTER LAYER METAL WITH MORE COPPER INSTEAD OF MORE NICKEL
 24. TEARDROPS SHOULD NOT BE ADDED ON ANY AREA WITHOUT PRIOR APPROVAL FROM PACTRON.
 25. IF REQUIRED CAN IGNORE THE TRACES THAT ARE <0.5 INCH FOR TDR MEASUREMENT. BUT SETUP NEED TO BE DONE TO MEET IMPEDANCE REQUIREMENT
 26. ALL 8 MIL 10 MIL AND 12 MIL DRILLS NEED NON CONDUCTIVE VIA PLUGGING ON BOTH TOP AND BOTTOM SIDE.

PACTRON		
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PROJECT NAME	CXP-12_HOST_DEVICE_BOARD	REV : 2
PART NUMBER	DVP-101-000521-001 & DVP-101-000522-001	
DATE	AUG 2019	
ORIGINATOR		
PACTRON PART NUMBER	305-PD-19-0680	