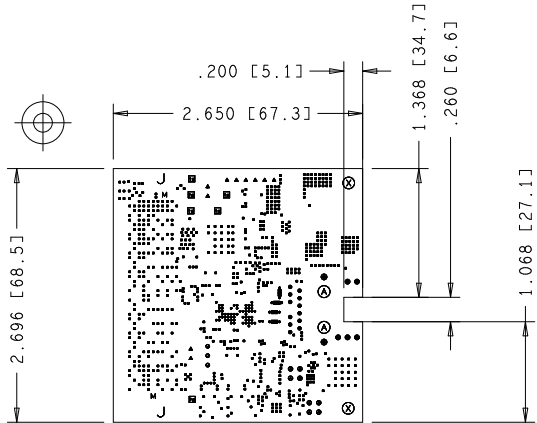


DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
•	8.0	+3.0/-3.0	PLATED	61
•	8.0	+3.0/-3.0	PLATED	22
•	8.01	DRILL WITH 10 MIL DRILL BIT ONLY	PLATED	4
•	10.0	+3.0/-3.0	PLATED	6
•	10.0	+3.0/-3.0	PLATED	698
•	10.0	+3.0/-3.0	PLATED	13
▪	10.01	DRILL WITH 12 MIL DRILL BIT ONLY	PLATED	8
•	35.0	+4.0/-0.0	PLATED	12
•	40.0	+3.0/-3.0	PLATED	3
•	40.0	+3.0/-3.0	PLATED	10
•	47.24	+3.0/-3.0	PLATED	8
•	50.0	+4.0/-0.0	PLATED	5
•	62.0	+4.0/-0.0	PLATED	2
■	63.0	+3.0/-3.0	PLATED	6
J	106.0	+3.0/-3.0	PLATED	2
M	50.0	+2.0/-0.0	NON-PLATED	2
⊗	125.0	+2.0/-2.0	NON-PLATED	2
⊗	128.0	+2.0/-0.0	NON-PLATED	2



PACTRON		
DATE: JULY 2018		
NAME: PF_VIDEO_KIT_10G_DAUGHTER_BOARD	REV: 1	
FILM LAYER: FAB		

STACKUP - 6 LAYERS			
	TOP (0.5oz+PLATING)		
N4000-13SI	DIELECTRIC (3.00 mils)		
	02_GND1 (1oz)		
FR-4	DIELECTRIC (21.40 mils)		
	03_GND2 (1oz)		
FR-4	DIELECTRIC (4.00 mils)		
	04_PWR (1oz)		
FR-4	DIELECTRIC (21.40 mils)		
	05_GND3 (1oz)		
N4000-13SI	DIELECTRIC (3.00 mils)		
	BOTTOM (0.5oz+PLATING)		
	6 MIL	6.5/11/6.5 MIL	5.5/12/5.5 MIL
TOTAL BOARD THICKNESS: 63 mil +/- 6 mil			

- NOTES: UNLESS OTHERWISE SPECIFIED
1. MATERIAL: N4000-13-SI & FR-4
 2. GENERAL PLATING - ENIG
 3. ALL HOLES ARE PLATED THRU UNLESS OTHERWISE SPECIFIED
MINIMUM PLATING FOR ALL THRU 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 GREEN.
 8. TOTAL BOARD THICKNESS: 63 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% OUTER LAYER .
 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. TEARDROPS SHOULD NOT BE ADDED ON ANY AREA WITHOUT PRIOR APPROVAL FROM PACTRON.
 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
IF REQUIRED CAN IGNORE THE TRACES THAT ARE <0.5 INCH FOR TDR MEASUREMENT. BUT SETUP NEED TO BE DONE TO MEET IMPEDANCE REQUIREMENT
 25. HOLES LESS THAN 12 MIL ARE DRILL SIZES AND NOT FINISHED HOLE SIZES
 26. ALL HOLES TO BE +/- .003 FROM TRUE POSITION UNLESS OTHERWISE SPECIFIED
 27. ALL 8MIL,8.01MIL,10MIL AND 10.01MIL DRILLS NEED NON CONDUCTIVE VIA PLUGGING
AFTER PLUGGING THESE VIAS SHOULD BE FLAT AND SMOOTH ON BOTH TOP AND BOTTOM SIDES

REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL
1	INITIAL RELEASE	JULY 2018	

PACTRON 3000 PATRICK HENRY DRIVE, SANTA CLARA, CA 95054. 408-329-5500(PHONE), 408-747-1239(FAX).		
PROJECT NAME	PF_VIDEO_KIT_10G_DAUGHTER_BOARD	REV :1
PART NUMBER	DVP-101-000513-001	
DATE	JULY 2018	
ORIGINATOR	GANESHPRABHU	
PACTRON PART NUMBER	305-PD-18-0329	