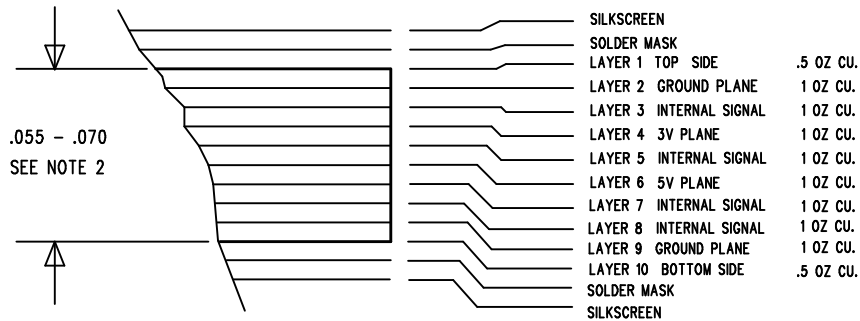



10 LAYER CONSTRUCTION DETAIL
SCALE : NONE



UNLESS OTHERWISE SPECIFIED

- BOARD TO BE FABRICATED PER IPC-A-600.
- MATERIAL: FR4 OR EQUIVALENT OUTER LAYERS 1/2 OZ/SQFT CU
INNER LAYERS 1 OZ/SQFT CU FINISHED .062 (.055 MIN .070 MAX SEE DETAIL).
VENDOR MAY ADJUST THICKNESS TO FULFILL NOTE 9.
- PLATING: ADDITIONAL CU PLATING 1 OZ/SQFT
ALL HOLES PLATED THROUGH, EXCEPT AS NOTED IN HOLE LEGEND.
MINIMUM PTH BARREL THICKNESS = 0.001
- FINISH: APPLY SOLDER MASK (LIQUID PHOTO IMAGEABLE) OVER BARE COPPER.
SOLDER MASK TO BE TRANSPARENT GREEN. ALL EXPOSED CONDUCTIVE
SURFACES TO BE SOLDER COATED. FOLLOWED BY HOT AIR SOLDER LEVELING.
SURFACE MOUNT PAD SOLDER PLATING MUST BE FLAT TO A MAXIMUM OF
.003" ABOVE BOARD SURFACE.
- SOLDERMASK: LPI SMOBC BOTH SIDES PER GERBER FILES.
- SILKSCREEN: WHITE EPOXY INK, APPLY TO BOTH SIDES PER GERBER FILES.
- ARTWORK: MINIMUM FEATURE SIZE = 0.00492
MINIMUM AIR GAP = 0.00492
- ALL DIMENSIONS ARE IN INCHES.
- CONTROLLED IMPEDANCE: BOARD TO BE BUILT TO YIELD CONTROLLED IMPEDANCE
OF 50 OHMS - 70 OHMS ON ALL .00492" LINE WIDTHS
- DO NOT ADD NON-FUNCTIONAL COPPER THIEVING ON OPEN AREAS OF OUTER LAYERS.
- ADD PLUG TO VIAS ON BOTTOM SIDE OF THE BOARD.
- REMOVAL OF NON-FUNCTIONAL PADS ON LAYERS 3, 5, 7, AND 8 IS ACCEPTABLE.
- TEARDROP PADS ARE ACCEPTABLE WHERE NEEDED.
- VIA HOLES (.006, .010, .014) REQUIRE TANGENCY ONLY, INSTEAD OF ANNULAR RING.
- BUILD AS 1-UP PCB.
- USE IPC-D-356A NETLIST AS SUPPLIED FOR CHECKING.

HOLE SIZE CHART			
SYMBOL	DIAMETER	QTY	PLATE
+	.006 +.003/- .006	1060	YES
X	.010 +.003/- .010	924	YES
□	.014 +.003/- .014	296	YES
◇	.030 +/- .003	168	YES
⊗	.037 +/- .003	26	YES
⊠	.045 +/- .003	42	YES
A	.070 +/- .003	10	YES
C			
D	.125 +/- .005	11	YES
E			
F	.053 +.003/- .000	6	NO
G	.067 +/- .003	6	NO
H	.080 +/- .003	1	NO
J	.093 +/- .003	3	NO

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.			20 Cotton Road Nashua, New Hampshire 03063 1-800-ANALOGD			
	APPROVALS	DATE					
MATERIAL SEE NOTES	DRAWN	08/03/03	FABRICATION DRAWING ADSP-TS101S EZ-KIT LITE				
FINISH SEE NOTES	ENGINEERING						
DO NOT SCALE THIS DRAWING	QUALITY		SIZE B	DWG. NO.		A0163-2001-REF	REV. 1.5
	MANUFACTURING		SCALE	1 : 1		SHEET	1 OF 1