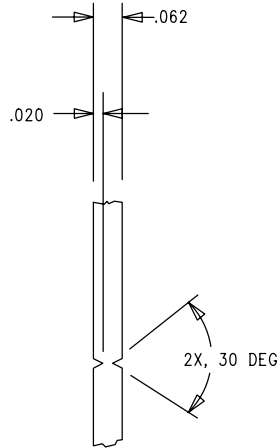


UNLESS OTHERWISE SPECIFIED

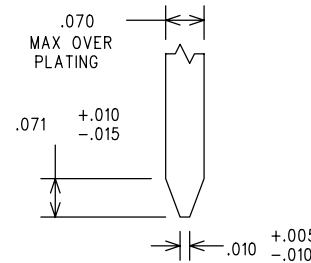
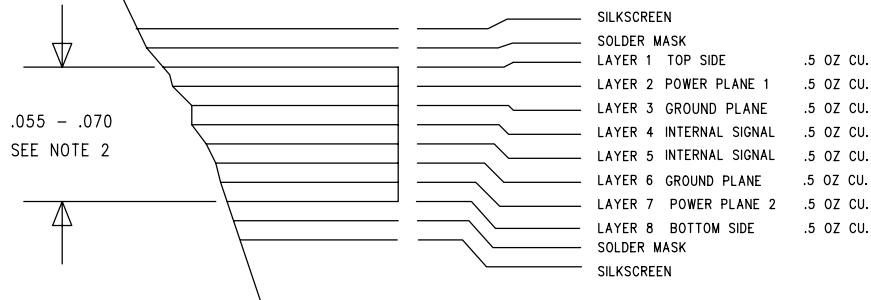
- BOARD TO BE FABRICATED PER IPC-6012A, CLASS 2.
- MATERIAL: POLYCLAD FR-370HR OR EQUIVALENT. OUTER LAYERS 1/2 OZ/SQFT CU  
INNER LAYERS 1/2 OZ/SQFT CU FINISHED .062 (.055 MIN .070 MAX SEE DETAIL).  
VENDOR MAY ADJUST THICKNESS TO FULFILL NOTE 9.
- PLATING: ADDITIONAL CU PLATING 1 OZ/SQFT  
ALL HOLES PLATED THROUGH, EXCEPT AS NOTED IN HOLE LEGEND.  
MINIMUM PTH BARREL THICKNESS = 0.0008" MINIMUM AVERAGE  
PER IPC-6012A WITH AMENDMENT 1, CLASS 2 REQUIREMENTS.  
WITH NO SINGLE MEASUREMENT LESS THAN 0.00071 IN THE PLATED HOLES.
- FINISH: SURFACES TO BE COATED BY ENIG OF 2 TO 10 MICROINCHES OVER  
A MINIMUM OF 60-200 MICROINCHES OF LOW STRESS NICKEL.  
NO ADDITIONAL ELECTROLYTIC HARD GOLD IS REQUIRED FOR CONTACTS.
- SOLDERMASK: SOLDER MASK TO BE TRANSPARENT GREEN LPI 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 = 0.00475
- ALL DIMENSIONS ARE IN INCHES.
- CONTROLLED IMPEDANCE: BOARD TO BE BUILT TO YIELD CONTROLLED IMPEDANCE  
OF 60 OHMS +/- 10% ON ALL .00492" LINE WIDTHS
- DO NOT ADD NON-FUNCTIONAL COPPER THIEVING ON OPEN AREAS OF OUTER LAYERS.  
THIEVING IS ALLOWED ON INNER LAYERS, UNLESS OTHERWISE SPECIFIED.
- VIAS SHOULD BE COVERED ACCORDING TO ONE OF THE FOLLOWING METHODS.  
METHOD 1 IS PREFERRED.  
METHOD 1: VIAS MUST BE FILLED WITH SOLDERMASK MATERIAL AFTER  
ELECTROLESS NICKEL/IMMERSION GOLD AND BEFORE PRIMARY LPI MASK. AFTER THE  
FILL IS CURED, THE PRIMARY MASK IS THEN APPLIED WITH NO VIA APERTURES  
BOTH SIDES.  
METHOD 2: AFTER APPLICATION OF FULL BODY ELECTROLESS NICKEL/IMMERSION  
GOLD, APPLY PRIMARY MASK WITH REDUCED VIA APERTURES THAT ARE 6 MILS  
LARGER THAN DRILLED HOLE DIAMETER BOTH SIDES. THEN APPLY SOLDER MASK  
PLUG ON COMPONENT SIDE.
- VIA HOLES (.006, .010, .012) REQUIRE TANGENCY ONLY, INSTEAD OF ANNULAR RING.
- TEARDROP PADS ARE ACCEPTABLE WHERE NEEDED.
- BUILD AS 1-UP PCB.
- USE IPC-D-356A NETLIST AS SUPPLIED FOR CHECKING.
- V SCORE 1 LINE ON BOTH SIDES OF THE BOARD. SEE DETAIL.

SIZE	QTY	SYM	PLATED	TOL
10	961	✕	YES	+0.003-0.010
12	344	□	YES	+0.003-0.012
37	86	◇	YES	+/-0.003
41	29	⊗	YES	+/-0.003
51	10	⊗	YES	+/-0.003
59	5	+ <sup>A</sup>	YES	+/-0.003
70	5	+ <sup>B</sup>	YES	+/-0.003
85	6	+ <sup>C</sup>	YES	+/-0.003
125	3	+ <sup>E</sup>	YES	+/-0.003
53	6	+ <sup>F</sup>	NO	+0.003-0.000
67	3	+ <sup>G</sup>	NO	+/-0.003
125	9	+ <sup>H</sup>	NO	+/-0.005
140	4	+ <sup>I</sup>	NO	+/-0.005
187	1	+ <sup>J</sup>	NO	+/-0.005




SCORING DETAIL

8 LAYER CONSTRUCTION DETAIL  
SCALE : NONE



BEVEL DETAIL

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE : .XX +/- .010 .XXX +/- .005	CONTRACT NO.		 20 Cotton Road Nashua, New Hampshire 03063 (603) 883-2430 FAX (603) 882-2655
	APPROVALS	DATE	
MATERIAL SEE NOTES	DRAWN	06/18/07	FABRICATION DRAWING ADSP-21375 EZ-KIT LITE
	CHECKED		
FINISH SEE NOTES	ENGINEERING		SIZE B DWG. NO. A0202-2006-REF
	QUALITY		
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1
		SHEET 1 OF 1	REV. 1.0