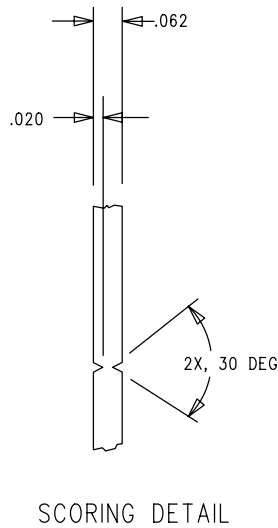


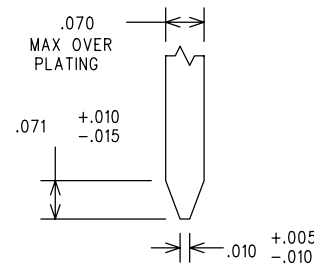
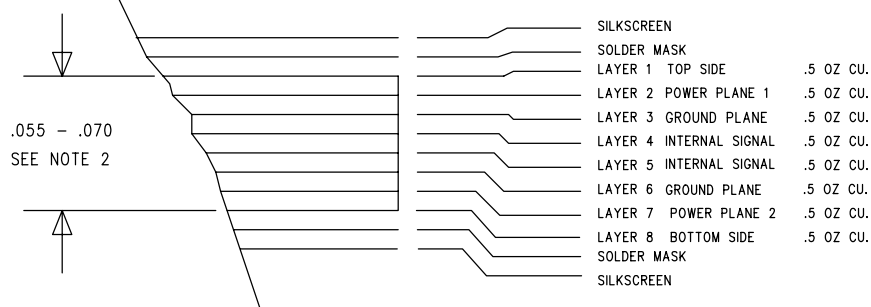
UNLESS OTHERWISE SPECIFIED

- 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 .005" 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	942	✕	YES	+0.003-0.010
12	458	□	YES	+0.003-0.012
37	86	◇	YES	+/-0.003
41	29	⊠	YES	+/-0.003
51	10	⊠	YES	+/-0.003
59	5	⊠ ^A	YES	+/-0.003
70	5	⊠ ^B	YES	+/-0.003
85	6	⊠ ^C	YES	+/-0.003
125	3	⊠ ^E	YES	+/-0.003
53	6	⊠ ^F	NO	+0.003-0.000
67	3	⊠ ^G	NO	+/-0.003
125	9	⊠ ^H	NO	+/-0.005
140	4	⊠ ^I	NO	+/-0.005
187	1	⊠ ^J	NO	+/-0.005



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	06/20/07	FABRICATION DRAWING ADSP-21369 EZ-KIT LITE
	CHECKED		
FINISH SEE NOTES	ENGINEERING		SIZE B DWG. NO. A0196-2005-REF
	QUALITY		
DO NOT SCALE THIS DRAWING	MANUFACTURING		SCALE 1 : 1
		SHEET 1 OF 1	REV. 2.1