



UNLESS OTHERWISE SPECIFIED, ALL NOTES ARE APPLICABLE.
 NOTES PRECEDED BY AN UNMARKED "□" ARE NOT APPLICABLE.

- APPLICATION DESIGN, MANUFACTURING AND INSPECTION DOCUMENTS.
 IPC-2221A & IPC-2222 / DESIGN STANDARD FOR RIGID PRINTED CIRCUIT BOARDS AND RIGID PRINTED BOARD ASSEMBLIES.
 IPC-6012B / QUALIFICATION AND PERFORMANCE SPECIFICATION FOR RIGID PRINTED BOARD.
 IPC-A-600G / ACCEPTABILITY OF PRINTED BOARDS.
- HOLE SIZE APPLY AFTER PLATING. TOLERANCE TO BE +/- .003.
- REGISTRATION TOLERANCE: ARTWORK +/- .002
 ALL HOLE CENTERS +/- .005 FROM DIMENSION DATUM.
- MINIMUM COPPER WALL THICKNESS SHALL BE .001 INCH.
 FOR ALL PLATED THROUGH HOLES. BREAKOUT NOT ALLOWED.
- PROCESS AND MATERIAL MUST CONFORM TO UL 796. MATERIAL MUST MEET OR EXCEED UL FLAMMABILITY RATING 94V-0.
 MATERIAL: SINGLE SIDED, DOUBLE SIDED, MULTI-LAYER FR4 .
 BOARD THICKNESS: .062 +/- .005
 NUMBER OF FINISHED LAYERS: 6
- MANUFACTURE'S UL MARKING, FLAMMABILITY RATING, LOGO AND DATE CODE TO BE PLACED IN COPPER ON BOTTOM SIDE OF THE BOARD.
- SMOBC: HASL. LPI, COLOR = RED.
- SILKSCREEN TOP SIDE BOTH SIDES, USING YELLOW WHITE EPOXY INK.
 REGISTRATION TOLERANCE TO BE +/- .005.
- P.C. BOARD TO BE FREE OF DIRT, OIL, FINGER PRINTS, ETC.
- BOARD WARPAGE: WARP AND TWIST SHALL NOT EXCEED .007 INCH PER INCH MEASURED AT ANY LOCATION OR DIRECTION ON THE BOARD.
- BOARD MUST BE 100% ELECTRICALLY TESTED TO ENSURE NO SHORTS OR OPEN CIRCUITS.
- ALL INNER LAYER UNCONNECTED PADS SHALL BE REMOVED.
- ALL INNER LAYER THERMALS ON 10MIL & 12MIL HOLES TO BE CHANGED TO DIRECT TIES TO THE PLANE LAYERS.

DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	SIZE	PLATED	QTY
•	10.0	PLATED	25
•	12.0	PLATED	777
•	40.0	PLATED	2
Z	250.0	PLATED	7
•	40.0	NON-PLATED	2
A	185.0	NON-PLATED	4