APPLICABLE STANDARDS/SPECIFICATIONS: THE FOLLOWING STANDARDS/SPECIFICATIONS FORM A PART OF THIS DRAWING TO THE EXTENT SPECIFIED HEREIN. ANSI Y14.5M-1982 IPC-D-275 IPC-SM-840 IPC-CF-150 6 PLATING 2 PART CLASSIFICATION HOLE SIZES ARE FINISHED HOLE AFTER PLATING EXCEPT AS NOTED. MINIMUM COPPER PLATING IN HOLES TO BE .025mm PART CLASSIFICATION IS A 6 LAYER PRINTED WIRING BOARD, TYPE 3, FINISH PLATED THROUGH HOLES AND EXTERNAL WIRING PATTERNS WITH TIN/LEAD (60/40). PLATING TO BE FUSED AND LEVELED TO .0075mm MINIMUM. (3) DESIGN CRITERIA PRINTED WIRING ARTWORK MASTER NOTES: APPLY .100mm THICK POLYMER COATING TO THE COMPONENT AND SOLDER A ALL LAYERS ARE VIEWED FROM THE COMPONENT SIDE OF THE PRINTED SIDE OF THE PRINTED WIRING BOARD PER IPC-SM-840 USING LAYERS SMT AND SMB. SOLDER MASK CANNOT OVERLAP INTENDED SOLDERABLE B ARTWORK REPRODUCTION DIMENSION CONTROLS ACCURACY OF THE MASTER PATTERN. MASTERN PATTERN IS AT TRUE SCALE WHEN DISTANCE BETWEEN TARGETS IS AS SHOWN SURFACES AS DEFINED BY THE ARTWORK SILKSCREEN APPLY SILK SCREEN LEGEND NEARSIDE AND FARSIDE USING LAYERS SST AND SSB USING NON-CONDUCTIVE WHITE INK. CONTACT AREAS OF SURFACE MOUNTED COMPONENTS SHALL BE FREE OF INK C A STABLE BASE MASTER PATTERN SHALL BE USED TO PRODUCE THE PRINTED WIRING BOARD. ALL OTHER DRAWING COPIES ARE FOR INFORMATION ONLY D UNLESS OTHERWISE SPECIFIED ALL HOLES ARE PLATED THROUGH AND UNDIMENSIONED HOLES ARE LOCATED ON A .050mm GRID 9 TEST VOLTAGE MAXIMUM RATED VOLTAGE 50 VOLTS. INTERPRETATION OF DIMENSIONS AND TOLERANCES SHALL BE IN ACCORDANCE WITH ANSI Y14.5M-1982 4 MATERIAL **MATERIAL REQUIREMENTS:** BASE MATERIAL: COPPER CLAD LAMINATE GLASS EPOXY SHEET, TYPE FR-4, SHALL BE IN ACCORDANCE WITH IPC-CF-150 TABLE 1 BONDING SHEET: PREPREG SHALL BE IN ACCORDANCE WITH IPC-L-109 MAKE USING 5 FABRICATION FABRICATE PER J-STD-001B SHEET NO LAYER SHEET LAYER LAYER ARTWORK DESIGN AND PROCESS ALLOWANCES USED ARE EQUIVALENT TO THOSE CONSIDERED LEVEL C, REDUCED PRODUCIBILITY PER IPC-D-275 0 5 3 4 ARTWORK FINISHED 3 4 BOARD 3 SMT SST 4 DIMENSION EXTERNAL LAYERS DIMENSION SSB 4 SMALLEST TERMINAL AREA/DIA 750mm N/A LARGEST PLATED THROUGH HOLE IN ABOVE TERMINAL AREA/DIA .375mm NARROWEST ANNULAR RING N/A NARROWEST CLEARANCE BETWEEN CONDUCTORS
NARROWEST CONDUCTOR WIDTH
NARROWEST TERMINAL FOOTPRINT WIDTH 125mm MIN 125mm MIN .300mm 250mm MIN INTERNAL LAYERS SMALLEST TERMINAL AREA/DIA LARGEST PLATED THROUGH HOLE IN ABOVE TERMINAL AREA/DIA NARROWEST ANNULAR RING SIGNATURES .750mm N/A DATE CUSTOM DESIGN SOLUTIONS, INC. 311 TURNER STREET SUITE 325, UTICA, NY .375mm N/A 050mm MIN NARROWEST CLEARANCE BETWEEN CONDUCTORS
NARROWEST IMPEDANCE CONDUCTOR WIDTH
NARROWEST CONDUCTOR WIDTH 125mm MIN MEMORY BOARD N/A ISSUED PRINTED WIRING MASTER .150mm 125mm MIN SIZE CAGE CODE DRAWING REV | - | - | - | REV | REV STATUS | 2 PL DECIMALS ±.02 | 3 PL DECIMALS ±.005 | 4 3 2 1 SH OF SHEETS | ANGLES ±1\* 060B2 ✓ SCALE 1/1 SHEET 1 OF 4





