

CONSTRUCTION

FAB SPECIFICATION

LEAD-FREE RoHS

MATERIAL

FINAL PCB THICKNESS

LAYER COUNT

LAYER STACK-UP

IMPEDENCE CONTROL

SPECIAL CORES

BOARD EDGE

BOW & TWIST

PROFILING

IPC-6012 CLASS ☐ 1 ☒ 2 ☐ 3 ☐ MIL-SPEC P-55110

☒ YES TO EU DIRECTIVE ☐ NOT REQD

SEE STACKUP DETAIL

☐ 0.8mm ☐ 1.2mm ☐ 1.6mm ☒ 2.4mm ☐ OTHER _____mm

☐ 1 ☐ 2 ☐ 4 ☒ 6 ☐ 8 ☐ 10 ☐ 12 ☐ OTHER _____

SEE DETAIL DRAWING

☒ YES ☐ NO IF YES, SPECIFY Zo _____100 ohm_____

☒ YES ☐ NO SEE STACKUP DETAIL

NO METAL BURRS AND SHARP EDGES

1% MAX ON SMD PCBs

☒ NC-ROUTE ☐ V-SCORE ☐ BOTH AS INDICATED

CONDUCTIVE MATERIAL

CU THICKNESS INTERNAL ☐ 18um ☒ 35um ☐ 70um ☐ _____um FINISHED

CU THICKNESS EXTERNAL ☐ 18um ☐ 35um ☐ 70um ☐ 105um FINISHED

PLATING FINISH ☐ HAL ☒ ENIG ☐ I-Ag (Imm-Silver) ☐ I-Sn (Imm-Tin)

SELECTIVE Au PLATING ☒ NO ☐ YES ON EDGE FINGERS ☐ AS INDICATED

INTERCONNECTS

DRILL PROCESS ☒ THT ☐ BLIND & BURIED VIAS ☐ LASER VIAS

HOLE WALL PLATING AS SPECIFIED IN IPC-6012 CLASS

FINAL HOLE SIZE AS SPECIFIED IN TABLE, AFTER THRU-HOLE PLATING

MIN HOLE SIZE (mm) ☐ 0.10 ☐ 0.15 ☐ 0.2 ☒ 0.25 ☐ LARGER

TOTAL HOLE COUNT 7

QTY SIGNAL LAYERS ☐ 1 ☒ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10

QTY COPPER PLANES ☐ 0 ☐ 1 ☐ 2 ☐ 3 ☒ 4 ☐ 5 ☐ 6

MIN TRACE WIDTH (mm) ☒ 0.10 ☐ 0.125 ☐ 0.15 ☐ 0.175 ☐ LARGER

MIN TRACE SPACING (mm) ☒ 0.10 ☐ 0.125 ☐ 0.15 ☐ 0.175 ☐ LARGER

COSMETICS

SOLDERMASK SIDES ☐ TOP ☐ BOT ☒ BOTH SIDES

SOLDER MASK TYPE SOLDER MASK OVER BARE COPPER (SMOBC)

SOLDER MASK COLOUR ☒ GRN ☐ BLUE ☐ YEL ☐ RED ☐ BLACK

SOLDERMASK WEBBING GANG RELIEF NOT ALLOWED, UNLESS BELOW CAPABILITY

SILKSCREEN COLOUR ☒ WHITE ☐ YEL ☐ OTHER _____

SILKSCREEN PRINT NO LEGEND TO BE APPLIED OVER SOLDER PADS

SILKSCREEN QTY ☐ TOP ☐ BOT ☒ BOTH SIDES ☐ NONE

SILKSCREEN LINE WIDTH ☒ 0.175mm ☐ 0.2mm

SILKSCREEN OVER PADS NOT PERMITTED, PLEASE REMOVE IF PRESENT

MANUFACTURING DEVIATIONS

PAD REMOVAL ALLOWED ON UNUSED PADS ON INNER LAYERS

TEARDROPPING PREFERRED, APPLY PLEASE

THIEVING ALLOWED ON PANEL STRIPS

VIA SIZE REDUCTION NOT ALLOWED

ADDITIONAL REQUIREMENTS

ELECTRICAL TEST ☐ NONE ☐ FIXTURE ☒ FLYING PROBE

MANUFACTURER LOGO ☐ YES ☒ NO

BATCH No ON S/SCREEN ☒ YES ☐ NO

CERTIFICATE REQ'D ☒ E-TEST ☐ UL ☐ IPC-6011/12 ☐ MIL-SPEC P-55110

MANUFACTURING DATA

GERBER DATA

FILENAME.EXT: ADC1X2200-10_V1-0

TOP COPPER ☒ YES ☐ NO .GTL

BOTTOM COPPER ☒ YES ☐ NO .GBL

MIDLAYER SIGNAL #1 ☐ YES ☒ NO .G1

MIDLAYER SIGNAL #2 ☐ YES ☒ NO .G2

MIDLAYER SIGNAL #3 ☐ YES ☒ NO .G3

MIDLAYER SIGNAL #4 ☐ YES ☒ NO .G4

MIDLAYER SIGNAL #5 ☐ YES ☒ NO .G5

MIDLAYER SIGNAL #6 ☐ YES ☒ NO .G6

MIDLAYER SIGNAL #7 ☐ YES ☒ NO .G7

MIDLAYER SIGNAL #8 ☐ YES ☒ NO .G8

MIDLAYER SIGNAL #9 ☐ YES ☒ NO .G9

MIDLAYER SIGNAL #10 ☐ YES ☒ NO .G10

GND/PWR PLANE #1 ☒ YES ☐ NO .GP1

GND/PWR PLANE #2 ☒ YES ☐ NO .GP2

GND/PWR PLANE #3 ☒ YES ☐ NO .GP3

GND/PWR PLANE #4 ☒ YES ☐ NO .GP4

GND/PWR PLANE #5 ☐ YES ☒ NO .GP5

GND/PWR PLANE #6 ☐ YES ☒ NO .GP6

TOP SOLDER MASK ☒ YES ☐ NO .GTS

BOTTOM SOLDER MASK ☒ YES ☐ NO .GBS

TOP OVERLAY ☒ YES ☐ NO .GTO

BOTTOM OVERLAY ☒ YES ☐ NO .GBO

TOP SOLDER PASTE ☒ YES ☐ NO .GTP

BOTTOM SOLDER PASTE ☒ YES ☐ NO .GBP

TOP SELECTIVE GOLD ☐ YES ☒ NO .GTG

BOTTOM SELECTIVE GOLD ☐ YES ☒ NO .GBG

TOP PEELABLE BLUE ☐ YES ☒ NO .GTB

BOTTOM PEELABLE BLUE ☐ YES ☒ NO .GBB

MANUFACTURING DRAWING

PCB FILENAME .PDF

DRILL SET #1 (THP) ☒ YES ☐ NO FILENAME PLATED .TXT

DRILL SET #2 (N-THP) ☒ YES ☐ NO FILENAME NONPLATED .TXT

DRILL SET #3 (BLIND1) ☐ YES ☒ NO FILENAME BLIND1 .TXT

DRILL SET #4 (BLIND2) ☐ YES ☒ NO FILENAME BLIND2 .TXT

DRILL SET #5 (BURIED1) ☐ YES ☒ NO FILENAME BURIED1 .TXT

DRILL SET #6 (BURIED2) ☐ YES ☒ NO FILENAME BURIED2 .TXT

MANUFACTURING ZIP FILENAME: ADC1X2200-10_MANUFACTURE.ZIP

SPECIAL INSTRUCTIONS

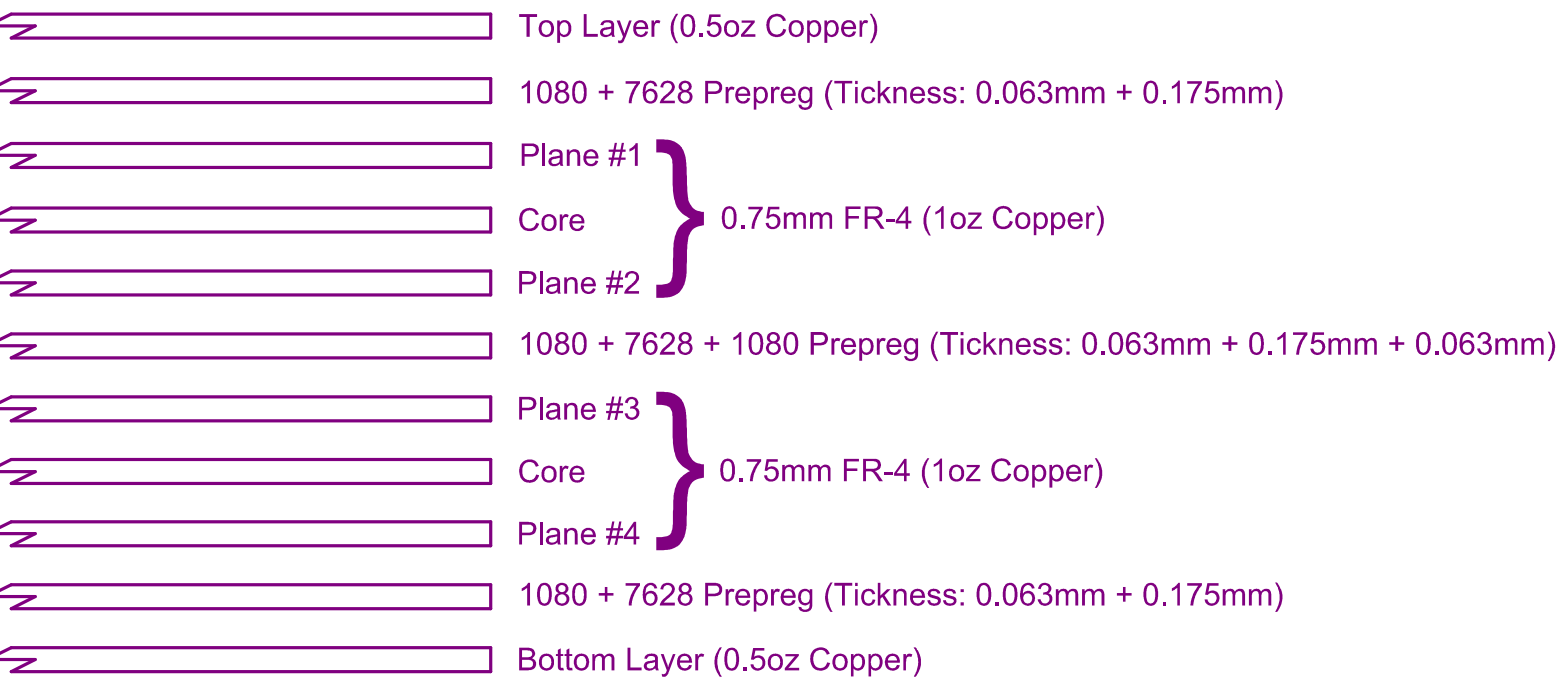
- NC-ROUTE AS INDICATED.
- NOTE PCB THICKNESS MAX 2.4mm
- NOTE SPECIAL CORES REQUIRED.
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V-GROOVE DETAIL

APPLY TO PANELISED PCB IF APPLICABLE AND REQUESTED



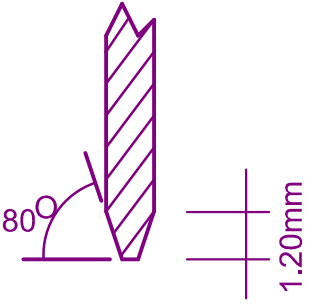
6-Layer PCB StackUp
Final PCB Thickness 2.4mm



CHAMFER DETAIL

GOLD FINGER EDGE CONNECTOR

APPLY IF APPLICABLE AND REQUESTED IN NOTES



MOUSEBITE BREAKAWAY DETAIL

APPLY TO PANELISED PCB IF APPLICABLE

