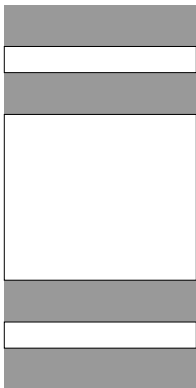


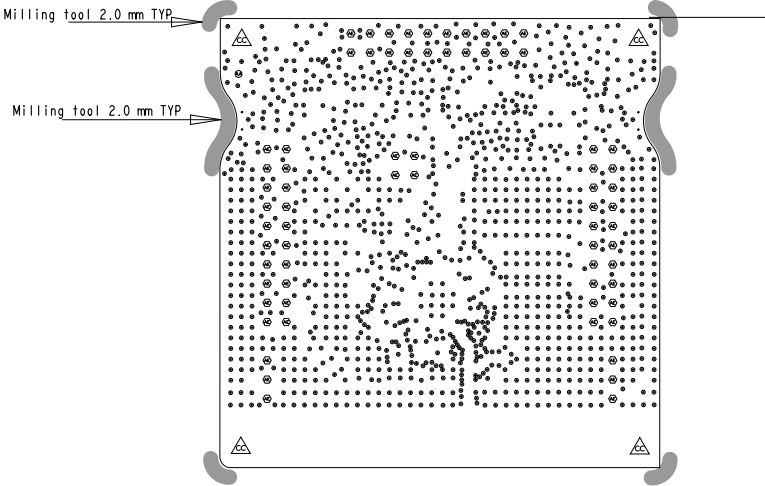
A

DESIGN CROSS SECTION CHART
TOTAL THICKNESS 1.6 MM



* SURFACE - AIR 0 MM
L1 TOP CONDUCTOR - COPPER 0.035 MM
* DIELECTRIC - FR-4 0.175 MM
L2 CONDUCTOR - COPPER 0.035 MM
* DIELECTRIC - FR-4 1.11 MM
L3 CONDUCTOR - COPPER 0.035 MM
* DIELECTRIC - FR-4 0.175 MM
L4 BOTTOM CONDUCTOR - COPPER 0.035 MM
* SURFACE - AIR 0 MM

B



C

DRILL CHART: TOP to BOTTOM				
ALL UNITS ARE IN MILLIMETERS				
FIGURE	FINISHED_SIZE	DRILLED_SIZE	PLATED	QTY
•	0.2	-	PLATED	1202
•	1.05	-	PLATED	70
•	1.1	-	PLATED	1
△	3.2	-	PLATED	4
•	0.899	-	NON-PLATED	4

D

	TEXAS INSTRUMENTS	
	DRILL	LP-EM-CC2755P10 Rev. B
	DATE: 2026-04-07	

Texas Instruments (TI) and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. TI and/or its licensors do not warrant this design will meet the specifications, will be suitable for your application or fit for any particular purpose, or will operate in an implementation. TI and/or its licensors do not warrant that the design is production worthy. You should completely validate and test your design implementation to confirm the system functionality for your application.

A

B

C

D

DESIGN INFORMATION				
MIN. TRACK WIDTH:	0.15 mm			
MIN. CLEARANCE:	0.15 mm			
MIN. VIA PAD SIZE:	0.40 mm			
MINIMUM ANNULAR RING 0.05mm (2MIL) EXTERNAL PER IPC-D-275 CLASS 2 LEVEL C REGISTRATION TOLERANCES: METAL +/-150 um, HOLES +/-80 um HOLE SIZE TOLERANCE (UNLESS OTHERWISE SPECIFIED): +/-80 um				
MATERIAL:				
☐ FR-4	☒ FR-4 High Tg	☐ OTHER _____		
THICKNESS:	☒ 1.6mm +/-10%	☐ OTHER _____		
TOLERANCE:	☒ ANSI IPC-6012 TYPE 3 CLASS 2	☐ OTHER +/- _____		
BOW & TWIST:	☒ ANSI IPC-6012 TYPE 3 CLASS 2	☐ OTHER +/- _____		
DRILLING:				
REFERENCE:	☐ AS SHOWN	☒ NC_DRILL FILES		
PTH COPPER THICKNESS:	☒ 20-30 um	☐ OTHER _____		
BOARD FINISH:				
SILKSCREEN:	☒ TOP	☒ BOTTOM		
SILKSCREEN COLOR:	☒ WHITE	☐ OTHER _____		
SILKSCREEN RESIST COLOR:	☐ GREEN	☒ OTHER RED		
	☒ MATTE	☐ SEMI-GLOSS		
SURFACE FINISH:	☒ IMMERSION GOLD (ENIG)	☐ ENEPIG		
	☐ IMM. TIN/SILVER OR EQUIV	☐ OTHER _____		
ARRAY/PANEL:	☐ CUT AND TRIM PER M1 BOARD OUTLINE	☒ N.C. ROUTE		
CERTIFICATION:	MATERIALS AND WORKMANSHIP FOR ALL PCBs TO MEET OR EXCEED THE REQUIREMENTS OF:			
	☒ ANSI IPC-A-600F CLASS -> ☐ 1 ☒ 2 ☐ 3			
	☒ RoHS ☐ OTHER PER ORDER			
ALL BOARDS MUST MEET OR EXCEED UL94-V0 REQUIREMENTS.				
PCB MUST BEAR THE UL94V-0 UL REG. MATERIAL ID NUMBER: BOTTOM LAYER				
ADDITIONAL REQUIREMENTS:				
MICROSECTION: ☐ YES				
BARE BOARD ELEC. TEST: ☒ NONE ☐ REQUIRED ☐ PER ORDER				
☐ XX MIL VIAS REQUIRE NON-CONDUCTIVE FILL AND PLANARIZE				
☐ XX MIL VIAS REQUIRE CONDUCTIVE FILL AND PLANARIZE				
☐ OUTER XX MIL VIAS REQUIRE 50 OHM SINGLE-ENDED IMPEDANCE				
☐ LAYER 2 & 3 (INNER LAYERS) XX MIL WIDE, XX MIL SPACE				
TRACES REQUIRE 100 OHM DIFFERENTIAL IMPEDANCE				
TITLE: LP-EM-CC2755P10				
PROJECT NUMBER: MCU124B				
FILE NAME: mcu124b.brd				
DESIGNER: RGW	DATE: 2026-04-07	REVISION: B		
SCALE: 1.00		ALLEGRO DESIGNER VERSION: 24.0		