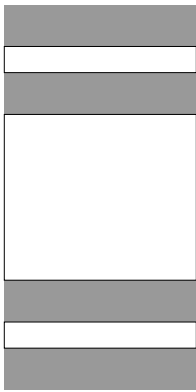


A

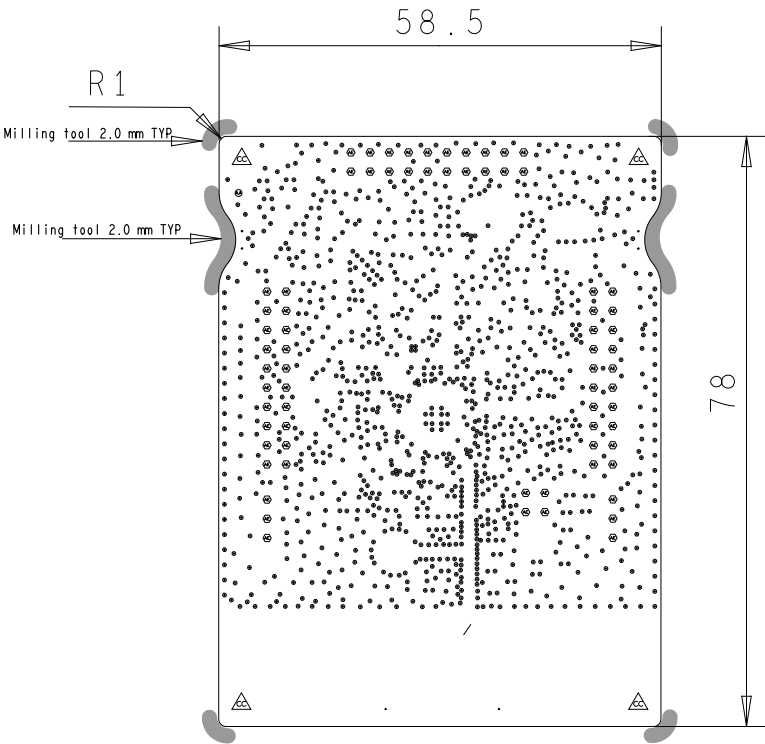
DESIGN CROSS SECTION CHART

TOTAL THICKNESS 1.6 MM



- * SURFACE - AIR 0 MM
- * DIELECTRIC - FR-4 0.175 MM
- * DIELECTRIC - FR-4 1.11 MM
- * DIELECTRIC - FR-4 0.175 MM
- * SURFACE - AIR 0 MM

B



C

DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILLIMETERS			
FIGURE	FINISHED_SIZE	PLATED	QTY
•	0.2	PLATED	1135
•	1.05	PLATED	70
•	1.1	PLATED	1
△	3.2	PLATED	4
•	0.899	NON-PLATED	4
•	3.2	NON-PLATED	2

D

	TEXAS INSTRUMENTS	
	DRILL	LP-EM-CC2745R10-01 Rev. A
	DATE: 2024-02-15	

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:		
<input type="checkbox"/> FR-4	<input checked="" type="checkbox"/> FR-4 High Tg	<input type="checkbox"/> OTHER
THICKNESS:	<input checked="" type="checkbox"/> 1.6mm +/-10%	<input type="checkbox"/> OTHER
TOLERANCE:	<input checked="" type="checkbox"/> ANSI IPC-6012 TYPE 3 CLASS 2	<input type="checkbox"/> OTHER +/-
BOW & TWIST:	<input checked="" type="checkbox"/> ANSI IPC-6012 TYPE 3 CLASS 2	<input type="checkbox"/> OTHER +/-
DRILLING:		
REFERENCE:	<input type="checkbox"/> AS SHOWN	<input checked="" type="checkbox"/> NC_DRILL FILES
PTH COPPER THICKNESS:	<input checked="" type="checkbox"/> 20-30 um	<input type="checkbox"/> OTHER
BOARD FINISH:		
SILKSCREEN:	<input checked="" type="checkbox"/> TOP	<input checked="" type="checkbox"/> BOTTOM
SILKSCREEN COLOR:	<input checked="" type="checkbox"/> WHITE	<input type="checkbox"/> OTHER
SILKSCREEN RESIST COLOR:	<input type="checkbox"/> GREEN	<input checked="" type="checkbox"/> OTHER RED
	<input checked="" type="checkbox"/> MATTE	<input type="checkbox"/> SEMI-GLOSS
SURFACE FINISH:		
	<input checked="" type="checkbox"/> IMMERSION GOLD (ENIG)	<input type="checkbox"/> ENEPIG
	<input type="checkbox"/> IMM. TIN/SILVER OR EQUIV	<input type="checkbox"/> OTHER
ARRAY/PANEL:		
	<input type="checkbox"/> CUT AND TRIM PER M1 BOARD OUTLINE	
	<input type="checkbox"/> N.C. ROUTE	<input checked="" type="checkbox"/> V. SCORE
CERTIFICATION: MATERIALS AND WORKMANSHIP FOR ALL PCBs TO MEET OR EXCEED THE REQUIREMENTS OF:		
	<input checked="" type="checkbox"/> ANSI IPC-A-600F CLASS	-> <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3
	<input checked="" type="checkbox"/> RoHS	<input type="checkbox"/> 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: <input type="checkbox"/> YES		
BARE BOARD ELEC. TEST: <input checked="" type="checkbox"/> NONE <input type="checkbox"/> REQUIRED <input type="checkbox"/> PER ORDER		
<input type="checkbox"/> XX MIL VIAS REQUIRE NON-CONDUCTIVE FILL AND PLANARIZE		
<input type="checkbox"/> XX MIL VIAS REQUIRE CONDUCTIVE FILL AND PLANARIZE		
<input type="checkbox"/> OUTER XX MIL VIAS REQUIRE 50 OHM SINGLE-ENDED IMPEDANCE		
<input type="checkbox"/> LAYER 2 & 3 (INNER LAYERS) XX MIL WIDE, XX MIL SPACE		
<input type="checkbox"/> TRACES REQUIRE 100 OHM DIFFERENTIAL IMPEDANCE		
TITLE: LP-EM-CC2745R10-Q1		
PROJECT NUMBER: MCU123		
FILE NAME: LP-EM-CC2745R10-01_E2_Rev-C_4p15mm_PAD.brd		
DESIGNER: BK	DATE: 2023-09-20	REVISION: E2C 4.15mm
SCALE: 1.00		ALLEGRO DESIGNER VERSION: 17.4