

	1	2	3	4	5	6																																																	
A	DESIGN CROSS SECTION CHART TOTAL THICKNESS 1.6 MM						A																																																
B	<div>L1: TOP CONDUCTOR - COPPER + PLATING 0.035 MM * DIELECTRIC - FR-4 0.175 MM (TOP PRIORITY) L2: L2 PLANE - COPPER 0.035 MM * DIELECTRIC - FR-4 1.11 MM L3: L3 PLANE - COPPER 0.035 MM * DIELECTRIC - FR-4 0.175 MM L4: BOTTOM CONDUCTOR - COPPER + PLATING 0.035 MM</div>						B																																																
C	<div><div><div>Milling tool 0.5 mm TYP</div><div>R1.5</div><div>V. SCORE</div><div>58.5</div><div>V. SCORE</div><div>V. SCORE</div><div>95.3</div><div>V. SCORE</div><div>Milling tool 2.0 mm TYP</div><div>Milling tool 2.0 mm TYP</div></div><div><table><tr><th colspan="4">DRILL CHART: TOP to BOTTOM</th></tr><tr><th colspan="4">ALL UNITS ARE IN MILLIMETERS</th></tr><tr><th>FIGURE</th><th>FINISHED_SIZE</th><th>PLATED</th><th>QTY</th></tr><tr><td>.</td><td>0.2</td><td>PLATED</td><td>791</td></tr><tr><td>⊙</td><td>0.201</td><td>PLATED</td><td>25</td></tr><tr><td>•</td><td>1.05</td><td>PLATED</td><td>75</td></tr><tr><td>•</td><td>1.1</td><td>PLATED</td><td>1</td></tr><tr><td>⋈</td><td>3.2</td><td>PLATED</td><td>4</td></tr><tr><td>.</td><td>0.899</td><td>NON-PLATED</td><td>6</td></tr><tr><td>.</td><td>1.0</td><td>NON-PLATED</td><td>3</td></tr><tr><td>.</td><td>3.2</td><td>NON-PLATED</td><td>2</td></tr><tr><td>0</td><td>1.3x0.6</td><td>PLATED</td><td>2</td></tr></table>TOTAL HOLES : 909</div></div>						DRILL CHART: TOP to BOTTOM				ALL UNITS ARE IN MILLIMETERS				FIGURE	FINISHED_SIZE	PLATED	QTY	.	0.2	PLATED	791	⊙	0.201	PLATED	25	•	1.05	PLATED	75	•	1.1	PLATED	1	⋈	3.2	PLATED	4	.	0.899	NON-PLATED	6	.	1.0	NON-PLATED	3	.	3.2	NON-PLATED	2	0	1.3x0.6	PLATED	2	C
DRILL CHART: TOP to BOTTOM																																																							
ALL UNITS ARE IN MILLIMETERS																																																							
FIGURE	FINISHED_SIZE	PLATED	QTY																																																				
.	0.2	PLATED	791																																																				
⊙	0.201	PLATED	25																																																				
•	1.05	PLATED	75																																																				
•	1.1	PLATED	1																																																				
⋈	3.2	PLATED	4																																																				
.	0.899	NON-PLATED	6																																																				
.	1.0	NON-PLATED	3																																																				
.	3.2	NON-PLATED	2																																																				
0	1.3x0.6	PLATED	2																																																				
D	<div><div>TEXAS INSTRUMENTS</div><div>DRILL LP-CC2652RB MCU067 Rev. A</div><div>DATE: 2018-10-08</div></div> <div>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.</div>						D																																																
	1	2	3	4	5	6																																																	

DESIGN INFORMATION

MIN. TRACK WIDTH: 0.15 mm
MIN. CLEARANCE: 0.15 mm
MIN. VIA PAD SIZE: 0.4 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 MI BOARD OUTLINE
☐ N.C. ROUTE ☒ V. SCORE

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

TEXAS INSTRUMENTS

TITLE:
LP-CC2652RB

PROJECT NUMBER:
MCU067

FILE NAME:
LP-CC2652RB.brd

DESIGNER:
SJO

DATE:
2018-10-08

REVISION:
A

SCALE: 1.00

ALLEGRO DESIGNER VERSION:
17.2