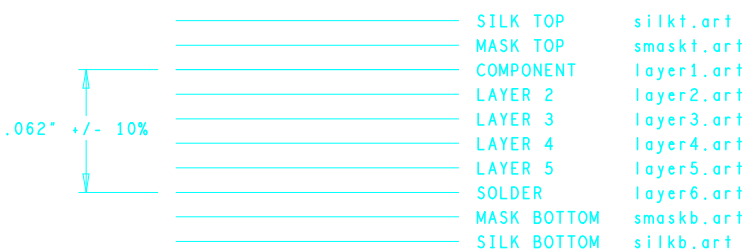
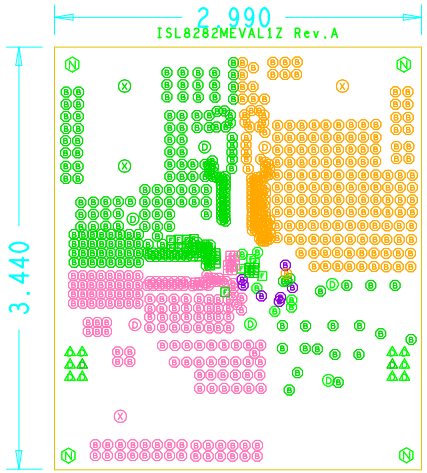
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

PHYSICAL BOARD DIMENSIONS
& LAYER STRUCTURE



DRILL CHART: TOP to BOTTOM			
ALL UNITS ARE IN MILS			
FIGURE	SIZE	PLATED	QTY
B	11.0	PLATED	619
F	12.0	PLATED	51
D	40.0	PLATED	8
△	41.0	PLATED	12
X	155.0	PLATED	4
N	128.0	NON-PLATED	4



DRILL
RENESAS CORPORATION
10-16-2018

NOTES:

1. THIS BOARD IS RoHS COMPLIANT.
2. PRINTED WIRING BOARD DESIGN AND ACCEPTANCE CRITERIA SHALL BE IAW WITH THE REQUIREMENTS OF IPC-D-275 AND IPC-A-600.
3. MATERIAL: FR4 (RoHS COMPLIANT), 2 OZ COPPER.
4. APPLY SOLDER MASK, BOTH SIDES (VIAS ARE TENTED), IAW IPC-SM-840. CLASS 2 (LPI) (BLUE MASK).
5. IMMERSION GOLD FINISH.
6. UNLESS OTHERWISE SPECIFIED ALL HOLE DIAMETERS ARE AFTER PLATING.
7. APPLY SILKSCREEN USING WHITE NON-CONDUCTIVE EPOXY BASED INK.
8. PWB MUST BE 100% ELECTRICALLY TESTED FOR SHORTS AND CONTINUITY. USE NETLIST PROVIDED ISL8282MEVAL1ZA_IPC.IPC IAW IPC-D-356.
9. MARK DATE CODE AND MANUFACTURES IDENIFICATION ON SOLDER SIDE PER IPC-6011 AND IPC-6012.
10. TOLERANCE ON ALL DRILL HOLES SHALL BE IAW IPC-D-2221 & 2222 UNLESS OTHERWISE SPECIFIED.
11. ALL VIA HOLES 12 MILS IN SIZE (VIA22C12P_FILLED) ARE TO BE FILLED WITH NON-CONDUCTIVE THERNAL EPOXY AND CAPPED.

PART TO BE FREE OF BURRS AND SHARP EDGES
COMMERCIAL TOLERANCES APPLY TO STOCK SIZES
MANUFACTURING TOLERANCES PER 900002
WORKMANSHIP PER 900060
SCREW THREADS PER ANSI Y14.6
ABBREVIATIONS PER MIL-STD-12
LOGIC SYMBOLS PER IEEE STD 91
DIMENSIONING AND TOLERANCING PER ANSI Y14.5
ELECTRICAL AND ELECTRONIC DIAGRAM PER ANSI Y14.15
GRAPHIC SYMBOLS FOR ELECTRICAL AND ELECTRONIC DIAGRAM PER IEEE STD 315
ELECTRICAL AND ELECTRONIC REFERENCE DESIGNATIONS PER IEEE STD 200
WELDING SYMBOLS PER ANSI/AWS A2.4
INTERPRET DRAWING IAW DOD-STD-100

UNLESS OTHERWISE SPECIFIED DIMENSION ARE IN INCHES AND INCLUDE APPLIED FINISH TOLERANCES
2 PLACE DIM. ± --- 3 PLACE DIM. ± --- ANGLES ± ---

CONTRACT NO.	
DWN BY 10/16/2018 Tim Klemann	CHK BY
ENGR	ELEC ENGR
PROJ ENGR	MFG ENGR
RELIABILITY	CONFIGURATION
APPROVAL- DFTG	QA
APPROVAL	SYS ENGR

RENESAS

ISL8282M
EVAL BOARD LAYOUT

SIZE	DWG NO.	REV
D	ISL8282MEVAL1Z	A
SCALE 1/1		SHEET 1 OF 1