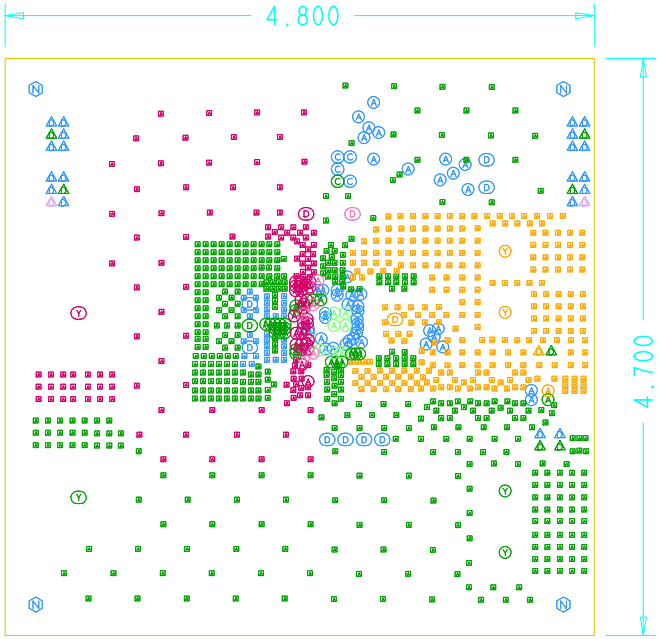
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

PHYSICAL BOARD DIMENSIONS & LAYER STRUCTURE

.062" +/- 10%

SILK TOP	silkt.art
MASK TOP	smaskt.art
COMPONENT	layer1.art
LAYER 2	layer2.art
LAYER 3	layer3.art
LAYER 4	layer4.art
LAYER 5	layer5.art
LAYER 6	layer6.art
LAYER 7	layer7.art
SOLDER	layer8.art
MASK BOTTOM	smaskb.art
SILK BOTTOM	silkb.art

DRILL CHART: TOP to BOTTOM ALL UNITS ARE IN MILS			
FIGURE	SIZE	PLATED	QTY
Ⓐ	10.0	PLATED	108
▫	12.0	PLATED	842
Ⓒ	35.0	PLATED	5
△	41.0	PLATED	30
Ⓓ	45.0	PLATED	12
Ⓨ	200.0	PLATED	4
Ⓨ	275.0	PLATED	2
Ⓝ	128.0	NON-PLATED	4



DRILL

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 OVER BARE COPPER IAW IPC-SM-840. CLASS 2 (LPI) (INTERSIL RED MASK).
5. ALL PATTERNS ARE VIEWED FROM THE PRIMARY SIDE LOOKING THROUGH THE BOARD.
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 ISL8273MEVAL1ZA_IPC356.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. NETS GND AND GND_POWER ARE INTENTIONALLY SHORTED ON LAYER 2.

DASH NO. | NEXT ASSY | APPLICATION

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 11/19/2014 Tim Klemann	CHK BY
ENGR	ELEC ENGR
PROJ ENGR	MFG ENGR
RELIABILITY	CONFIGURATION
APPROVAL- DFTG	QA
APPROVAL	SYS ENGR

PRINTED WIRING BOARD, EVAL-
ISL8273MEVAL1Z

SIZE	DWG NO.	REV
D	ISL8273MEVAL1Z	A

SCALE 2/1 | SHEET 1 OF 1