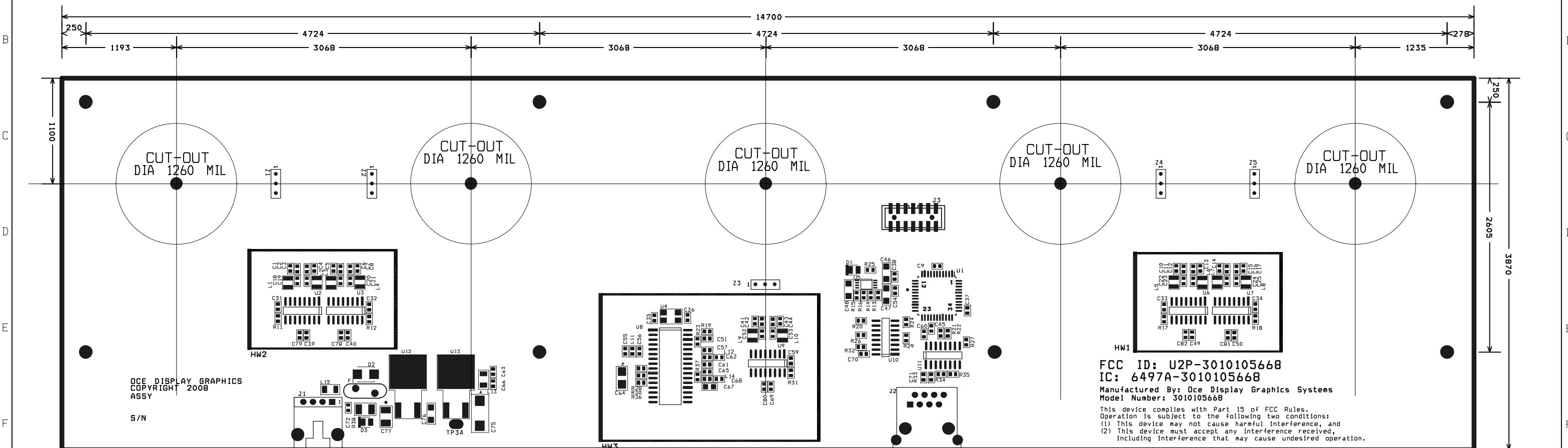


REVISIONS					
REV	DR. No.	DESCRIPTION	DRAWN	APPROVED	DATE M D
A	3010105667	First Release			07 12 12



DRILL CHART				
SYM	DIAM	TOL	QTY	NOTE
×	0.016		294	
◊	0.031		8	
+	0.037		4	
×	0.042		2	
■	0.049		2	NON-PLATED
○	0.076		2	
●	0.128		7	NON-PLATED
■	0.134		2	NON-PLATED
■	0.142		8	NON-PLATED
TOTAL		329		

## DRILL DRAWING SOLDERSCREEN (TOP SIDE)

## ASSEMBLY DRAWING (TOP SIDE)

DETAIL "A"					
TOTAL THICKNESS 62.5 +/- 0.6 VIA PROTECTION: TENT					
.SST SILKSCREEN / WHITE .SPT SOLDER PASTE STENCIL .SMT SOLDER MASK / LPI GREEN .TOP / 0.5 + 0.7oz					
14Mil .IN2 / 0.50z					
CORE FR-4 28 mils					
.IN1 / 0.50z 14Mil PREPREG FR-4					
.BOT / 0.5 + 0.7oz .SMB SOLDER MASK / LPI GREEN					

## NOTES:

- THE OUTLINE DIMENSIONS ARE TO BE DETERMINED FROM THE GERBER FILE OUTLINE IF NOT SPECIFIED IN THIS DRAWING.
- FABRICATE PER ANSI / IPC-6012 STANDARD.  
FINISHED SIGNAL TRACE WIDTHS AT THE FOIL-TO-SUBSTRATE INTERFACE SHALL BE:  
CU OZ. LOCATION NOMINAL TOLERANCE  
0.5 + 0.7 LAYER 1,6 0.006" +/- 0.001"  
0.5 LAYER 5 0.006" +/- 0.001"
- ALL HOLE SIZES PER DRILL LEGEND ARE AFTER PLATING.  
ALL HOLES SHALL HAVE 0.001" MIN. COPPER WALL THICKNESS.
- MAX WARP AND TWIST OF FINISHED PCB SHALL NOT EXCEED 0.010 INCH/1 INCH AS PER IPC-D-300.
- ALL MATERIALS COMPRISING THE PC BOARD MUST BE RECOGNIZED BY UL TO THE 94V-0 RATING. DATE CODE AND MANUFACTURERS UL SYMBOL/TYPE SHALL BE PERMANENTLY MARKED OR ETCHE
- BASE LAMINATE AND PREPREG: GLASS-EPOXY NEMA TYPE FR-4. COPPER FOIL WEIGHTS, LAMINATE THICKNESS, AND OVERALL BOARD THICKNESS AS PER DETAIL "A" OVERALL THICKNESS APPLIES TO FINISHED BOARD EXCLUDING SOLDERMASK
- SILKSCREEN USING PERMANENT, NONCONDUCTIVE, WHITE EPOXY INK
- SOLDERMASK PER IPC-SM-840, CLASS 2. SOLDERMASK MUST TENT OR FILL VIAS.  
ALL CONDUCTORS UNDER COMPONENTS MUST BE COVERED WITH SOLDERMASK, LPI MATTE GREEN. VENDOR MAY ADJUST SOLDERMASK.
- UNLESS OTHERWISE SPECIFIED IN PURCHASE ORDER,  
EXPOSED COPPER TO BE FINISHED WITH IMMERSION GOLD, 0.00015" MAX THICKNESS
- FABRICATION AND ASSEMBLY TO BE IN ACCORDANCE WITH RoHS DIRECTIVE 2002/95/EC
- FINAL ASSEMBLY AND REVISION LABEL TO BE APPLIED ON COMPONENT SIDE WHERE MARKED. MUST BE HUMAN AND BAR CODE READABLE, AND OF THE FORM XXXXXXXXX-X  
WHERE X IS THE 10-DIGIT PCB ASSEMBLY NUMBER, AND Y IS THE REVISION
- COUNTRY OF ORIGIN TO BE ADDED ON WHITE POLY LABEL AFTER ASSEMBLY

DIMENSIONS ARE IN MILS UNLESS OTHERWISE SHOWN					
TOLERANCE	.XX	.XXX	TRACE	HOLEs	ANGLES
+ 0.015	+ 0.005	+ 1	+ 3		

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OCE DISPLAY GRAPHICS			
RFID READER BOARD	3010105667	REV A	SIZE B
SCALE: NTS	SHEET 1 OF 1		