

REV	DESCRIPTION	MEMO
O	ORIGINAL RELEASE JDAVIS JUN 9, 2011	EN06312 JUN 9, 2011

PART NUMBERS	
0105204A01	
DEVELOPMENT IDENTIFICATION CODE	
A ASM-WIFI-0105204A.ASM	
DRAWN BY	DATE
JDAVIS	12/23/10
DESIGNED BY	DATE
JDAVIS	12/23/10
APPROVED BY	DATE
JDAVIS	12/23/10
UNITS	MM
SCALE	SHEET
1.0 : 1	1 OF 1

DRAWING DESCRIPTION	
ASSEMBLY, WIFI	
DRAWING NUMBER	
01B05204A	

10. APPLICABLE CUSTOMERS:

1.1. ANSI Y14.5 (M) AMERICAN NATIONAL STANDARD DIMENSIONING AND TOLERANCING.

1.2. THE SOCIETY OF PLASTICS INDUSTRY (SPI) STANDARD FOR MOLD FINISH.

2.0 CHARACTERISTICS (UNLESS OTHERWISE SPECIFIED):

2.1. GENERAL:

2.1.1. ASSEMBLIES MUST BE CLEAN & FREE OF SHARP EDGES.


2.1.2. PACKAGING MUST BE APPROVED BEFORE PROCEEDING WITH PRODUCTION RUN.

2.1.3. SAMPLE ASSEMBLIES MUST BE APPROVED BEFORE PRODUCTION BEGINS.

2.1.4. OUTSIDE SURFACES SHALL BE FREE OF SCRATCHES, DISCOLORATION, SINK MARKS, OR OTHER BLEMISHES PER COSMETIC SPECIFICATIONS.

2.1.5. A REFERENCE DIMENSION (X.XX) IS A DIMENSION WITHOUT TOLERANCE AND IS USED FOR INFORMATION PURPOSES ONLY.

2.1.6. ALL DIMENSIONS SHOWN ACROSS A CENTERLINE SHALL BE CENTRALIZED WITHIN ONE HALF THEIR TOTAL TOLERANCE.

2.1.7. A PROCESS CONTROL DIMENSION IS DENOTED WITH A BOX-X SYMBOL 

2.2. MECHANICAL:

2.2.1. APPEARANCE:

2.2.2. ASSEMBLY REQUIREMENTS SHALL BE AS FOLLOWS:

2.2.2.1. FINAL ASSEMBLY SHALL BE ASSEMBLED AS SHOWN.

2.2.2.2. THE SCREWS SHALL BE ASSEMBLED SECURELY WITH A TORQUE OF 1-2 KILOS.

2.2.12. MARKING:

2.2.12.1. ASSEMBLY IDENTIFICATION MARKINGS FOR THE ASSEMBLY NUMBER, PRINT REVISION AND DATE CODE SHALL BE MARKED ON THE PACKAGING MATERIAL.

2.2.12.2. NO SUPPLIER TRADEMARK TO APPEAR ON PARTS.

2.2.12.3. DATE CODE SHALL INDICATE THE YEAR, MONTH AND DAY OF MANUFACTURE.

3.0 QUALITY ASSURANCE PROVISIONS:

IT IS THE SUPPLIER'S RESPONSIBILITY TO PROVIDE COMPLIANCE DOCUMENTATION AS REQUIRED PER PROVO CRAFT ENGINEERING.

3.1. SAMPLES PRODUCED FROM A PRODUCTION PROCESS FLOW SHALL BE SUBMITTED:

3.1.1. MEASUREMENTS ON THIRTY FIVE (35) SERIALIZED SAMPLES FROM ALL CAVITIES FOR EACH PARAMETER/DIMENSION DENOTED AS PROCESS CONTROL ALONG WITH A PROCESS CAPABILITY STUDY ($CP \geq 2.0/Cpk \geq 1.5$)

3.1.2. MEASUREMENTS ON 5 PARTS FROM EACH CAVITY FOR ALL OTHER DIMENSIONS.

3.1.3. THREE (3) SAMPLES OF PEDRO BOARDS REPRESENTING ACCEPTABLE AND NOT ACCEPTABLE PARTS MUST BE SUBMITTED TO PROVO CRAFT.

5.0 EXCEPTIONS:

5.1. NO CHANGE SHALL BE ALLOWED ON PRODUCTION MATERIAL REGARDLESS OF WHETHER SUCH CHANGE AFFECTS REQUIREMENTS SPECIFIED, WITHOUT PRIOR WRITTEN APPROVAL FROM PROVO CRAFT ENGINEERING.

5.2. IF ANY CHANGES OCCUR WITHOUT APPROVAL FROM PROVO CRAFT, PROVO CRAFT RETAINS THE RIGHT TO VOID MANUFACTURING AGREEMENTS.

BILL OF MATERIALS FOR ASSEMBLY PART NUMBER 0105204A01			
ITEM #	PART NUMBER	DESCRIPTION	QTY
1	1505201A01	HOUSING, TOP, WIFI	1
2	0105203A01	PCB, WIFI	1
3	1505202A01	HOUSING, BOT, WIFI	1
4	0305101A06	SCREW 6MM L, DIA 2.0MM COURSE	2
5	3305107A01	LABEL, WIFI	1

SPECIFIED DIMENSION RANGE	TOLERANCE
0 < 20.0MM	±0.10
20.1MM < 50.0MM	±0.15
50.1MM < 100.0MM	±0.20
100.1MM < 150.0MM	±0.30
151.1MM < 200.0MM	±0.40

ALL NOMINAL PART GEOMETRY IS
DEFINED BY THE 3D CAD DATABASE.

ALL DIMENSIONS NOTED ON PRINT ARE
CRITICAL TO FORM, FIT AND FUNCTION

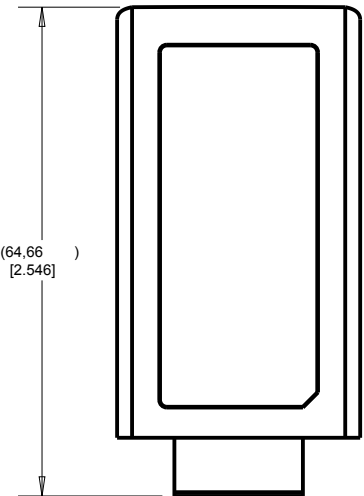
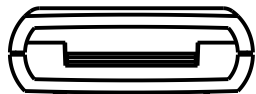
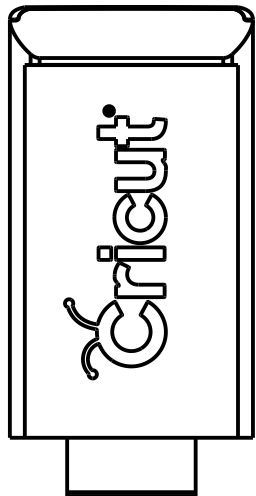
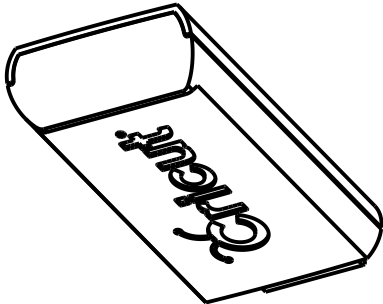
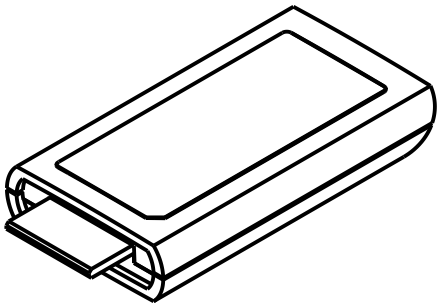
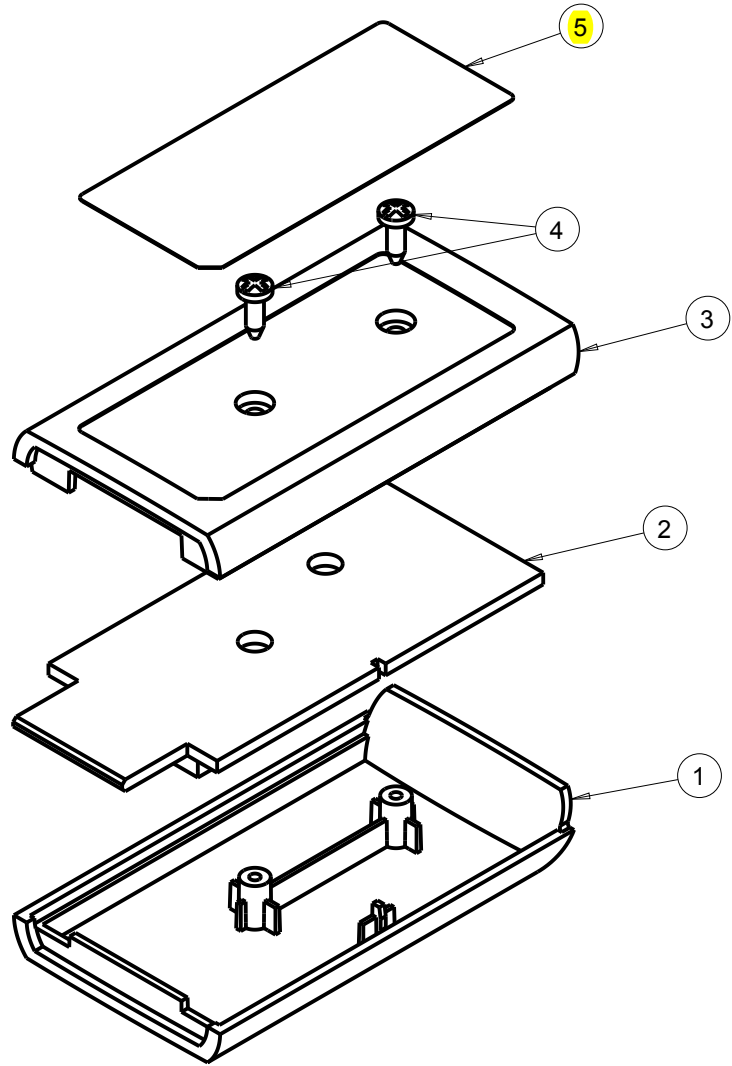
☒ X-BAR-R PROCESS CONTROL CHARTS
REQUIRED FOR SPECIFIED DIMENSIONS

TOLERANCES UNLESS OTHERWISE SPECIFIED

ONE PLACE DECIMAL	.X	SEE TABLE
TWO PLACE DECIMAL	.XX	SEE TABLE
HOLE DIA. VARIATION	.XX	± 0.08
ANGULAR DIMENSION (DEG)		± 1°

Provo Craft®

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PRINT IS PROPRIETARY TO PROVO
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OR USED IN WHOLE OR IN PART WITHOUT
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(10,3)
[.406]

ASSEMBLY,
WIFI

DRAWING NUMBER
01B05204A

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