

1 2 3 4 5 6 7 8 9 10

A

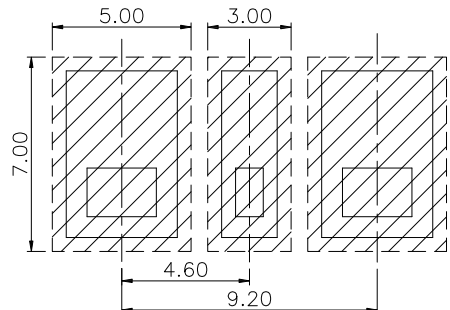
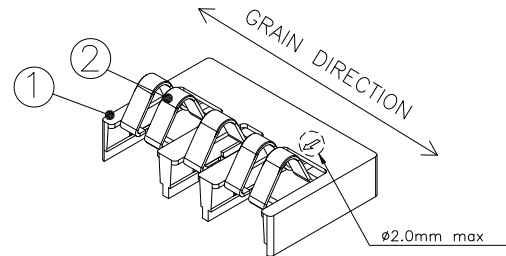
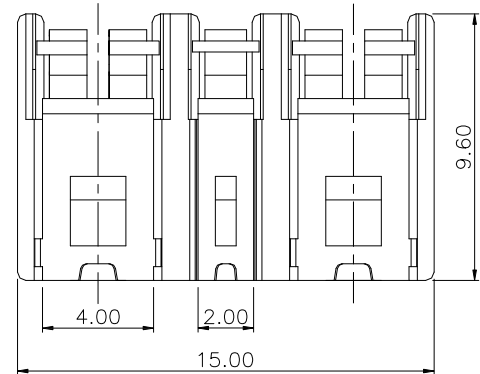
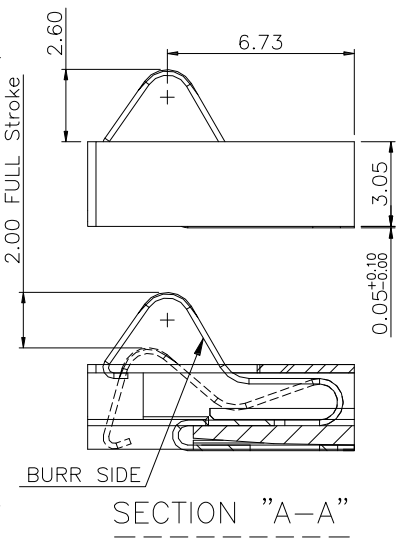
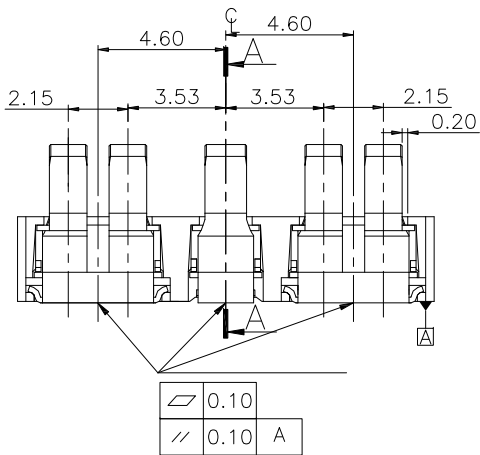
B

C

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E

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RG060031-MA005G500PL

1. PLATING
- G1-5U" GOLD OVER NICKEL.
 - G2-GOLD FLASH OVER 30 U"MIN. NICKEL.
 - G3-10U" GOLD OVER NICKEL.
 - G4-15U" GOLD OVER NICKEL.
 - G5-30U" GOLD OVER NICKEL.
 - G6-50U" GOLD OVER NICKEL.

1. DESCRIPTION AND APPLICATION: SPRING CONTACT MODULE FOR USE IN PORTABLE COMMUNICATION EQUIPMENT.
2. APPLICABLE DOCUMENTS:
 - 12M05015A39
 - 12M05019A73
 - 12M05012A41
 - 12M05022A09
 - 12M80967A78
 - 12S10601A
 - 12S131153
 - ASME Y14.5M-1994
 - MOTOROLA QUALIFICATION PROCEDURE
 - MOTOROLA TAPE AND REEL SPECIFICATION
 - MOTOROLA TEST METHODS FOR PLATED SURFACES
 - MOTOROLA QUALIFICATION PROCEDURE
 - MOTOROLA VENDOR MATERIAL QUALITY CONTROL
 - MOTOROLA PACKAGING RULES FOR VENDORS
 - MOTOROLA SOLDERABILITY STANDARD
 - DIMENSIONING AND TOLERANCING FOR ENGRG DWGS
3. REQUIREMENTS:
 - 3.1. GENERAL AND ENVIRONMENTAL:
 - 3.1.1. OPERATING TEMPERATURE RANGE: -30° C TO +70° C
 - 3.1.2. STORAGE TEMPERATURE RANGE: -40° C TO +85° C
 - 3.1.3. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994.
 - 3.1.4. A "REFERENCE" DIMENSION IS USED FOR INFORMATIONAL PURPOSES ONLY WITH TOLERANCES EXCLUDED, E.G.(XXX).
 - 3.1.5. PARTS SHALL BE CLEAN AND FREE OF FOREIGN MATERIAL.
 - 3.1.6. PACKAGING FOR SHIPMENT: PER 12S10601A
 - 3.1.7. TAPE AND TIL PER 12M05019A73
 - 3.1.7.1. PARTS TO BE PACKAGED IN INDIVIDUAL CELLS OF PRESSURE SEAL TAPE, ORIENTATION TO BE THE SAME THROUGHOUT REEL AS SHOWN IN VIEW.
 - 3.1.7.2. REEL DIAMETER: 16 IN
 - 3.1.7.4. TAPE WIDTH: 24 MM
 - 3.1.7.5. POCKET PITCH: 16 MM
 - 3.1.7.6. TAPE TO BE REUSED NO MORE THAN FOUR TIMES
 - 3.1.7.7. CELLS AT LEADING END OF TAPE SHOULD BE EMPTY OVER A LENGTH OF 300 TO 400 MM (12 TO 18 INCHES)
 - 3.2. TOOLING AND MATERIALS:
 - 3.2.1. MODULE: DIMENSIONS PER DRAWING
 - 3.2.1.1. SOLDERABILITY: PER 12S131153, CLASS C.
 - 3.2.2. COMPLETE TOOL DRAWINGS, IF TOOL IS REQUIRED, MUST BE SUBMITTED TO MOTOROLA TOOL ENGINEERING DEPARTMENT FOR APPROVAL.
 - 3.2.3. SAMPLE PARTS SHALL BE SUBMITTED TO MOTOROLA FOR APPROVAL PRECEDING WITH PRODUCTION RUN.
 - 3.2.4. NO REGRIND MATERIAL IS ALLOWED.
 - 3.2.5. PLATING REWORK IS ALLOWED ONLY IF THE GOLD PLATING IS COMPLETELY REMOVED UNLESS SPECIFIED).
 - 3.2.6. NO REGRIND IS ALLOWED WITHOUT MOTOROLA APPROVAL.
 - 3.3. ELECTRICAL (+25±2° C UNLESS SPECIFIED):
 - 3.3.1. MODULE: DIMENSIONS PER DRAWING.
 - 3.3.1.1. SOLDERABILITY: PER 12S131153, CLASS WITH STANDARD PLYG, CONTACT RESISTANCE SHALL NOT EXCEED .1 OHMS.
 - 3.3.2. BREAKDOWN VOLTAGE: SHALL WITHSTAND 250 VDC BETWEEN ANY TERMINALS FOR ONE MINUTE.
 - 3.3.3. INSULATION RESISTANCE: SHALL BE 50 MEGA OHMS MINIMUM BETWEEN ANY TWO OPEN TERMINALS.
4. VENDOR QUALITY ASSURANCE PROVISIONS: PER 12M80967A78 AND 12M05022A09.
 - 4.1. PART QUALIFICATION: VENDOR SHALL MEASURE DATA ON (5) RANDOMLY SELECTED PIECES, PER CAVITY IF MULTIPLE, FOR ALL DIMENSIONS OR PARAMETERS. DATA SHALL BE SUBMITTED IN PLOTTED DISTRIBUTION FORM TO PORTABLE PRODUCTS ENGINEERING AND/OR PURCHASING DEPARTMENT.
 - 4.2. PRODUCTION LOTS: VENDOR SHALL MEASURE DIMENSION OR PARAMETERS ON A MINIMUM OF (5) RANDOMLY SELECTED PARTS FROM THE LOT FOR DIMENSIONS OR PARAMETERS MARKED AS CRITICAL CHARACTERISTICS. DATA MUST BE INCLUDED AND PARTS MEASURED IDENTIFIED WITH THE LOT SHIPPED TO MOTOROLA.
5. EXCEPTIONS: NO CHANGE SHALL BE ALLOWED ON PRODUCTION MATERIAL, REGARDLESS OF WHETHER SUCH CHANGE AFFECTS REQUIREMENTS SPECIFIED, WITHOUT PRIOR EXPLICIT WRITTEN APPROVAL BY MOTOROLA PORTABLE PRODUCTS ENGINEERING AND PURCHASING DEPARTMENTS.

2	TERMINAL	C1720-H		GOLD PLATED OVER NICKEL
1	HOUSING	LCP	NATURAL	UL94V-0
NO.	DESCRIPTION	MATERIAL	COLOR	REMARK

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.X ± 0.30	APPROVED: Chris	 http://www.rego.com.tw	
.XX ± 0.20	CHECKED: Andy		
.XXX ± 0.15	DRAWN: Vic		
X* ± 3'			
	UNITS: mm	SCALE: NONE	TITLE: 4.60mm pitch spring pin Battery conn
			PART NO: RG060031-MA005G500PL
			SHEET: 1 OF 1

D	19.1.2019
REV	DATE

RECOMMENDED P.C.B LAYOUT (COMPONENT SIDE)

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