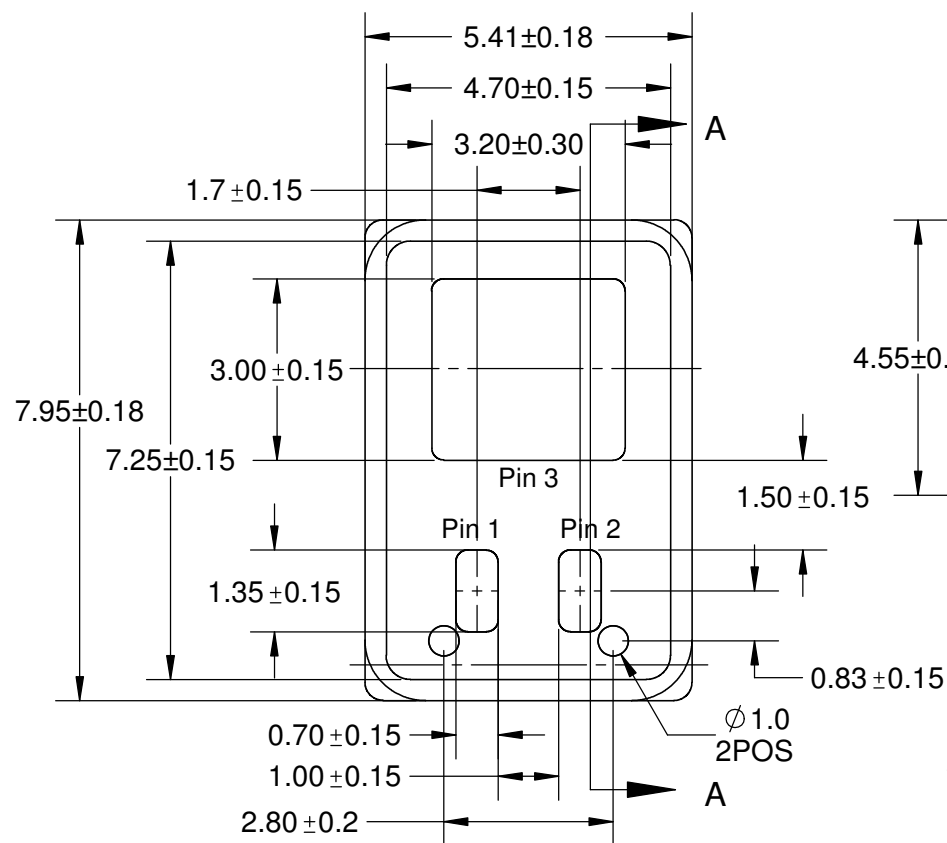
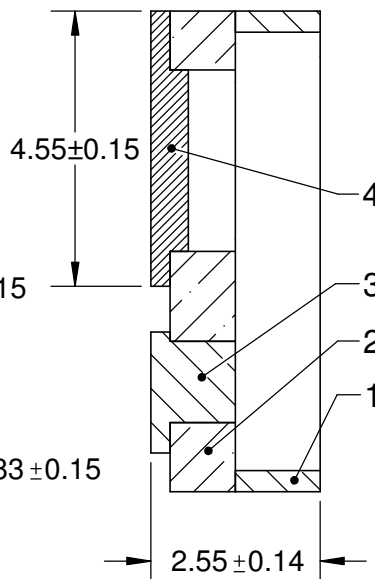


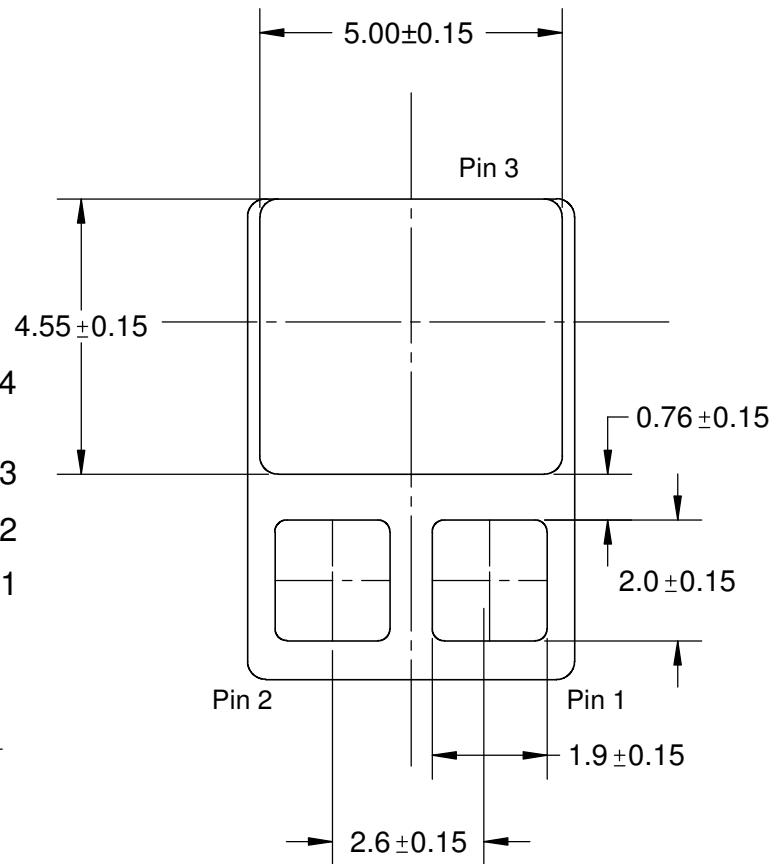
**TOP VIEW  
SHOWN WITHOUT LID**



**SIDE VIEW**




**BOTTOM VIEW**



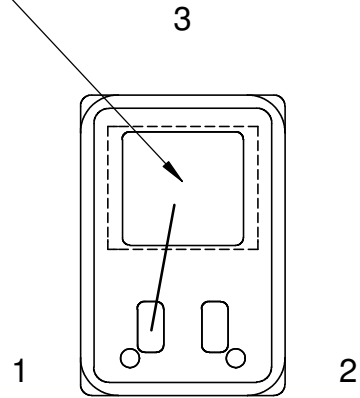
Part Number Table

Part Number	Daisy Chain	Dummy Die	Attached Lid	DWG Number
SMD.2-N	NO	NO	NO	800200
SMD.2-ISO	NO	NO	YES	800201
SMD.2-DC123	YES	NO	YES	800202
SMD.2-DC123D	YES	YES	YES	800203
SMD.2	NO	NO	YES	800209
LID SMD.2	-	-	Unattached	200020

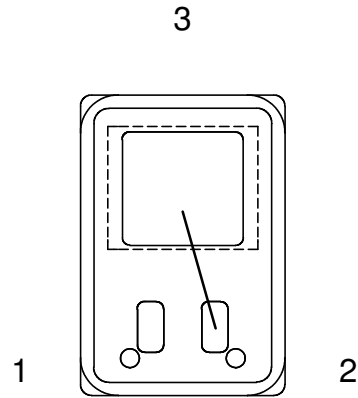
APPROVALS	DATE				
DRAWN T. Au	1/4/2017				
ENG M. Hart	1/4/2017	TITLE SMD.2 POWER PACKAGE			
MFG		SCALE 8:1	SIZE A	DRAWING NO. 800200	REV A
QA		DO NOT SCALE DRAWING			SHEET 1 OF 4
CUST					
REVISED					

**INTERNAL WIRING CIRCUIT (JUMPER)  
DAISY CHAIN PART NUMBER SUFFIX  
TOP VIEW**

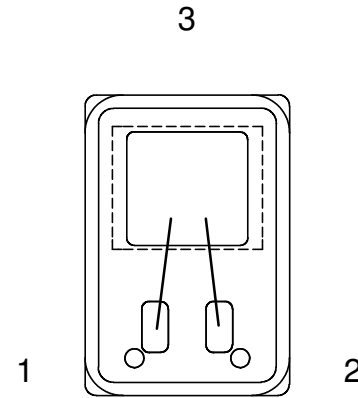
OPTIONAL DUMMY DIE



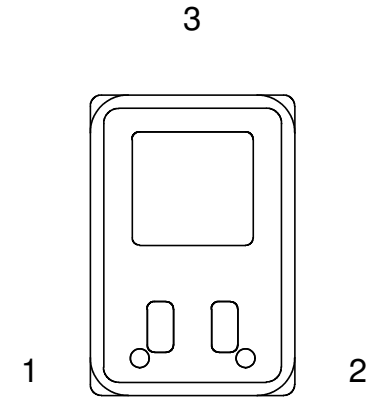
**DC13  
WITH LID  
ATTACHED**



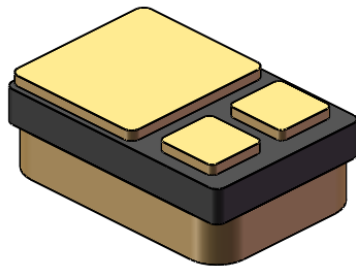
**DC23  
WITH LID  
ATTACHED**



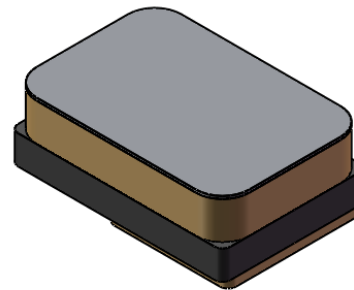
**DC123  
WITH LID  
ATTACHED**



**OPTION -N  
OPEN CAVITY  
WITHOUT LID ATTACHED**



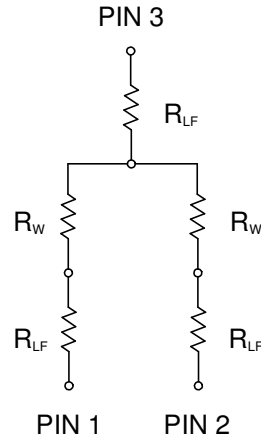
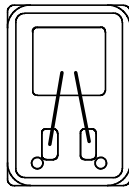
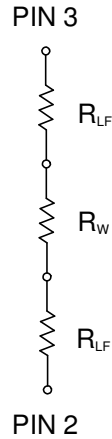
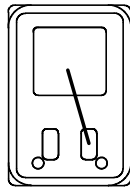
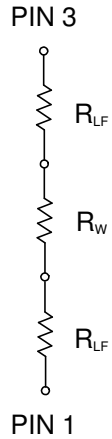
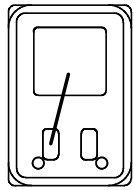
**BOTTOM  
VIEW OF TERMINALS**



**TOP  
LID ATTACHED**

<b>TopLine®</b>			
TITLE		SMD.2 POWER PACKAGE	
SCALE	SIZE	DRAWING NO.	REV
5:1	A	800200	A
DO NOT SCALE DRAWING			SHEET 2 OF 4

## SCHEMATIC EQUIVALENT INTERNAL CIRCUIT



$R_W$  = GOLD WIRE-BOND.  
 $R_{LF}$  = LEAD FRAME.

### NOTES:

GENERAL SPECIFICATIONS COMPLY WITH MIL-STD-750E AND SCREENED PER MIL-PRF-38354.

1. MATERIAL: SEE BOM.
2. FINAL FINISH: 50-MICRO-INCH GOLD OVER 100-MICRO-INCH (MIN) NICKEL.
3. PARTS EQUAL OR EXCEED  $10^{10}$  OHMS ISOLATION TEST WITH 500VDC PINS TO CASE.
4. BREAKDOWN VOLTAGE: 1000V BREAKDOWN VOLTAGE TEST WITH NORMAL TESTING CONDITIONS (PADS AND CASE).

### ELECTRICAL RESISTANCE MILLIOHM (DC) MAX

CIRCUIT	PIN 1 TO 3	PIN 2 TO 3	PIN 1 TO 2
DC13	< 100 mΩ	--	--
DC23	--	< 100 mΩ	--
DC123	< 100 mΩ	< 100 mΩ	< 200 mΩ

### BILL OF MATERIAL

ITEM	COMPONENT NAME	RAW MATERIAL
1	FRAME	KOVAR/4J29
2	CERAMIC	AL203 90% BLACK
3	BIG PAD	W85CU15
4	TWO SMALL PADS	KOVAR

**TopLine**<sup>®</sup>

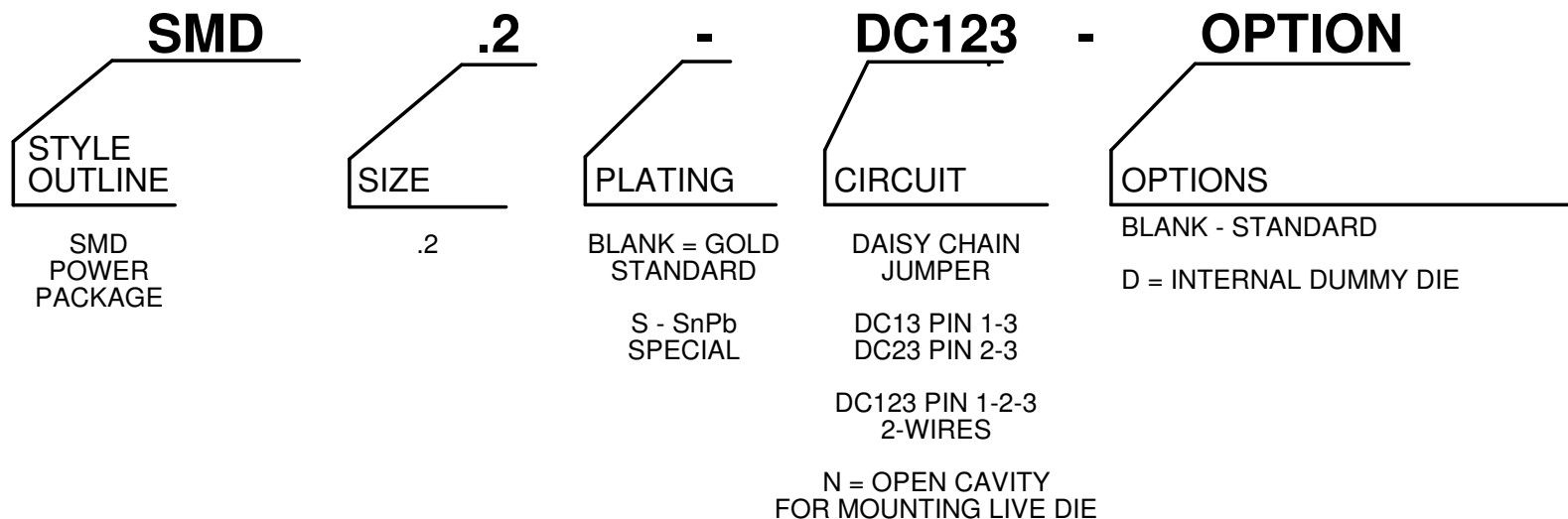
TITLE SMD.2  
POWER PACKAGE

SCALE 2.5:1	SIZE A	DRAWING NO. 800200	REV A
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DO NOT SCALE DRAWING

SHEET 3 OF 4

## PART NUMBERING SYSTEM



PART NUMBER	SHORTED PINS	NOTES	SEALED LID	DUMMY DIE
SMD.2	N/A	DUMMY	YES	N/A
SMD.2-D	N/A	DUMMY	YES	YES
SMD.2-N	NONE	ISOLATED	NO	NO
SMD.2-DC13	1 ~ 3	DAISY CHAIN	YES	NO
SMD.2-DC13D	1 ~ 3	DAISY CHAIN	YES	YES
SMD.2-DC23	2 ~ 3	DAISY CHAIN	YES	NO
SMD.2-DC23D	2 ~ 3	DAISY CHAIN	YES	YES
SMD.2-DC123	1 ~ 2 ~ 3	DAISY CHAIN	YES	NO
SMD.2-DC123D	1 ~ 2 ~ 3	DAISY CHAIN	YES	YES

<b>TopLine®</b>			
TITLE SMD.2 POWER PACKAGE			
SCALE 1:1	SIZE A	DRAWING NO. 800200	REV A
DO NOT SCALE DRAWING			SHEET 4 OF 4