

# Max Clip Standard Part Numbering

## HOW TO BUILD AN BOYD MAX CLIP STANDARD PART NUMBER

Boyd’s Max Clip Standard part numbering system consists of a 14-digit part number sequence. In the standard offerings, Category A or the first digit refers to the series which is defaulted as “M”. The following 2nd and 3rd digits are Category B which defines the base profile of the Max Clip part. Digits 4-6, Category C refers to cut length. The decimal point is assumed between the 4th and 5th digit. Standard parts for the Max Clip parts can be quoted in lengths under 10” any longer lengths will be quoted custom.

Category D is digit 7 and refers to the finish, followed by digit 8 or Category E which defines the thermal interface material. The 9<sup>th</sup> and 10<sup>th</sup> digits or Category F calls out the number of pins and the pin type for board mounting. The last sequence of the part number are the device mounting or Category G, digits 11-13 and refer to the number of clips and the Max Clip type.

### CATEGORY B - DIGITS 2-3: BASE PROFILE

Code	Base Extrusion	Height	Width	Dual Mount
45	78020	51.00 (2.008 in)	30.00 (1.181 in)	Y
46	78060	48.36 (1.904 in)	30.00 (1.181 in)	N
47	78065	30.80 (1.212 in)	18.85 (0.742 in)	N
48	78240	38.58 (1.519 in)	21.94 (0.864 in)	N
49	78265	31.36 (1.235 in)	22.00 (0.866 in)	N

### CATEGORY D – DIGIT 7: FINISH

Code	Description
B	Black anodize
U	Unfinished / Wash
V	AavSHIELD3 – RoHS compliant hexavalent chromate finish

## PART NUMBERING GUIDE

- A (Digits 1) = Series name M
- B (Digits 2-3) = Base Profile
- C (Digit 4-6) = Cut Length
- D (Digit 7) = Finish
- E (Digits 8) = Thermal Interface Material
- F (Digits 9-10) = Board Mounting
- G (Digit 11-13) = Device Mounting
- H (Digits 14) = RoHS Compliant

M 45 225 B 0 21 103 G  
**A B C D E F G H**

### CATEGORY C – DIGIT 4-6: CUTTING OPTIONS

The cut length option is limited to lengths under 10” and can be up to two decimals places. The decimal place is assumed between the 4<sup>th</sup> and 5<sup>th</sup> digit.

### CATEGORY E - DIGIT 8: THERMAL INTERFACE MATERIAL

Code	Description
0	None
1	Kon-Dux™ Pad - Thermal and Electrical conductive material
2	In-Sil-8™ Pad - Silicone based insulator material with thermally conductive fillers
3	Thermasil III - Silicone based insulator material with thermally conductive fillers

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## CATEGORY F - DIGITS 9-10: BOARD MOUNTING

Solderable Pins for Board Mounting

To order pins please include the quantity of pins needed in the 9<sup>th</sup> digit, up to 9 pins can be ordered. For standard parts pins are spaced 1" center to center or centered with the extrusion.

Code	Description
00	No Pin
01	Stand-off Pin 0mm
02	Stand-off Pin 1mm
03	Stand-off Pin 3mm
04	Stand-off Pin 5mm
05	Custom Pin

### Example Part Numbers:

M45165B021023G – Part number uses base profile 78020 is 1.65" in length, is black anodized and includes the following: two, 0mm stand-off pins and two Max03NG clips.

M49525B332000G - Part number uses base profile 78265 is 5.25" in length, is black anodized and includes the following: Thermalsil III thermal interface material and three, 1mm stand-off pins.

## CATEGORY G – DIGITS 11-13: DEVICE MOUNTING

Max Clips™ (Also Sold Separately)

To order clips please include the quantity of clips needed in the 11<sup>th</sup> and 12<sup>th</sup> digits. Please note that Dual Mounted need twice the amount of clips.

Code	Part #
000	None
001	Max01NG
002	Max02NG
003	Max03NG
004	Max04NG
005	Max09NG
006	Max10NG
007	Max11NG
008	Max12NG
009	Max13NG
00A	Max14NG
00B	Max15NG
00C	Max23NG
00D	Max01-HG
00E	Max02-HG
00F	Max03-HG

# Max Clip Standard Part Numbering

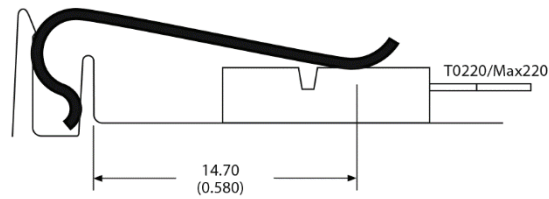
## CLIP INDEX

Max Clips™ (Also Sold Separately)

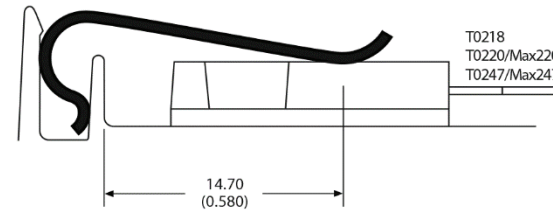
Code	Part #	Short Clip	Long Clip	Normal Force 20N-40N	Normal Force 30N-50N	High Force 50N+	High Force 60N+	Special D61
001	Max01NG	-	-	TO-220, TO-218, TO-251, TO-262, TO-273	-	-	-	-
002	Max02NG	-	-	TO-220, TO-218, TO-251, TO-262, TO-273	-	-	-	-
003	Max03NG	-	-	-	TO-247, TO-274	-	-	-
004	Max04NG	-	-	-	-	-	-	TO-247, TO-274J
005	Max09NG	TO-220, TO-218, TO-251, TO-262, TO-273	-	-	-	-	-	-
006	Max10NG	-	TO-220, TO-218, TO-251, TO-262, TO-273	-	-	-	-	-
00D	Max01-HNG	-	-	-	-	TO-220, TO-218, TO-251, TO-262, TO-273	-	-
00E	Max02-HNG	-	-	-	-	-	TO-247, TO-274, TO-3P	-
00F	Max03-HNG	-	-	-	-	-	TO-247, TO-274, TO-3P	-

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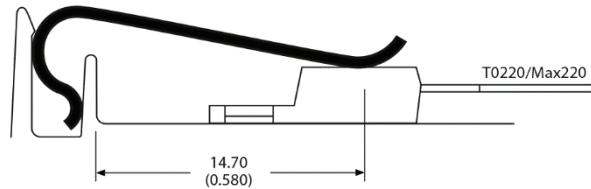
<b>Max01</b>	Width	Thickness	Force
	10 mm	x 0.5	= 22 N



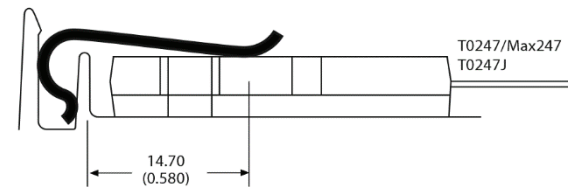
<b>Max03</b>	Width	Thickness	Force
	15 mm	x 0.5	= 45 N



<b>Max02</b>	Width	Thickness	Force
	12 mm	x 0.5	= 35 N

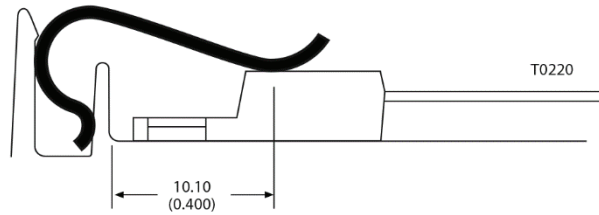


<b>Max04</b>	Width	Thickness	Force
	20 mm	x 0.5	= 60 N

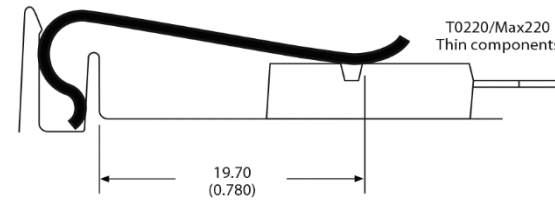


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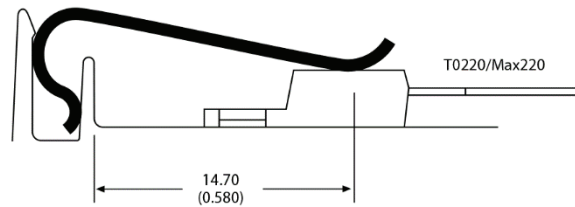
<b>Max09</b>	Width	Thickness	Force
	10 mm	x 0.5	= 45 N



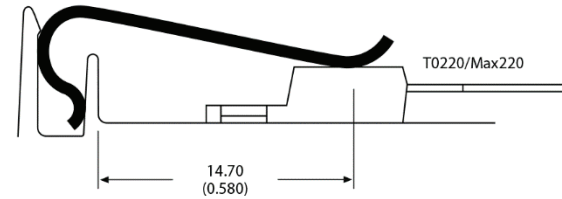
<b>Max10</b>	Width	Thickness	Force
	12 mm	x 0.6	= 40 N



<b>Max01-H</b>	Width	Thickness	Force
	10 mm	x 0.7	= 80 N



<b>Max02-H</b>	Width	Thickness	Force
	13 mm	x 0.6	= 60 N



<b>Max03-H</b>	Width	Thickness	Force
	18 mm	x 0.6	= 80 N

