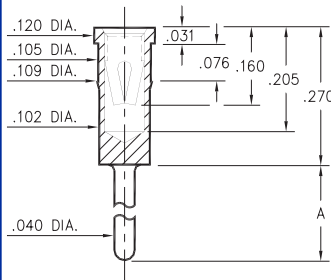


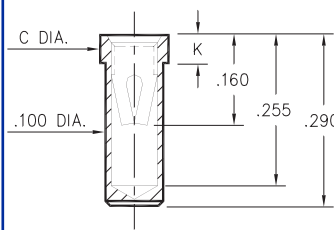
0433/8433



Basic Part Number	Length A
0433-0	.120
8433-0	.330

X433-0-15-XX-03-XX-04-0
Press-fit in .106 mounting hole

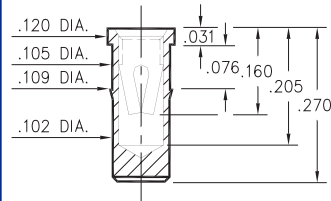
0435/0436



Basic Part Number	Dia. C	Length K
0435-0	.118	.050
0436-0	.125	.070

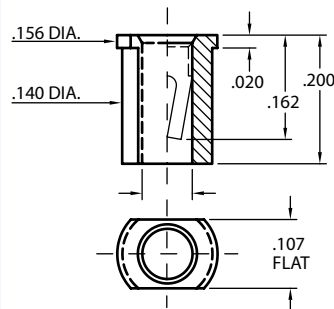
043X-0-15-XX-03-XX-10-0
Solder mount in .102 min. mounting hole

0434



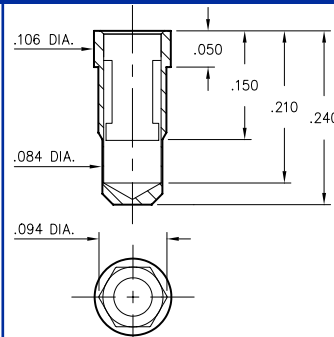
0434-0-15-XX-03-XX-10-0
Press-fit in .106 mounting hole

4064



4064-0-18-XX-03-XX-10-0
Surface mount

0342



0342-0-15-XX-42-XX-10-0
Hex press-fit in .090±.002 plated thru hole

- 0342 receptacle uses Mill-Max's new #42 Power Contact. This receptacle will accept the $\varnothing.061 \pm .002$ power pins of 1/4 brick DC/DC converters.
- #42 contact has a very low resistance path and is rated for currents up to 50A.
- #42 contact can be ordered in standard receptacles that use #03 contact; or it can be specified as the spring element inside custom made receptacles for power connector applications.

Mechanical Data #42 Contact:

Insertion/Extraction Force with a $\varnothing.061$ (nominal) pin:

First Cycle		2nd & Subsequent Cycles	
Insertion Force	Extraction Force	Insertion Force	Extraction Force
20N	6N	10N	6N

Compliance Test (the "spring back" characteristic of the contact to accept a $\varnothing.059$ small pin after insertion of a $\varnothing.063$ large pin):

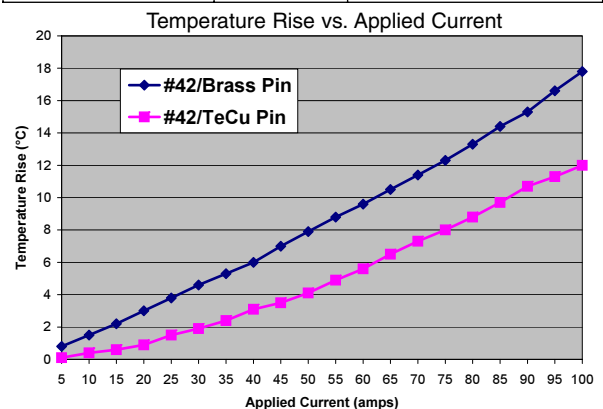
Initial Cycle with $\varnothing.059$ pin		Second Cycle with $\varnothing.063$ pin		Third Cycle with $\varnothing.059$ pin	
Ins. Force	Ext. Force	Ins. Force	Ext. Force	Ins. Force	Ext. Force
18N	6N	22N	7N	3N	2N

(Insertion/Extraction Forces are in Newtons and measured with polished steel gage pins having elliptical shaped tips)

Electrical/Thermal Data #42 Contact:

The electrical conductivity (resistance) of #42 contact depends on the conductivity of the mating pin. Tests were made with both $\varnothing.060$ Brass (26% IACS) and Tellurium Copper (93% IACS) pins. Temperature rise was measured with the receptacles mounted to simulate the heatsinking of a multilayer circuitboard.

Contact/Pin combination	Resistance	Insertion Loss per pin @ 50A
#42/ Brass	.322m Ω	.805W
#42/TeCu	.213m Ω	.533W



SPECIFICATIONS

SHELL MATERIAL:
Brass Alloy 360, 1/2 Hard

CONTACT MATERIAL:
Beryllium Copper Alloy 172, HT

DIMENSION IN INCHES
TOLERANCES ON:
LENGTHS: $\pm.005$
DIAMETERS: $\pm.002$
ANGLES: $\pm 2^\circ$

ORDER CODE: XXXX - X - 15 - XX - XX - XX - XX - 0

BASIC PART # _____
SPECIFY SHELL FINISH: _____
01 200 μ " TIN/LEAD OVER NICKEL
15 10 μ " GOLD OVER NICKEL

SPECIFY CONTACT FINISH:
01 200 μ " TIN/LEAD OVER NICKEL
14 10 μ " GOLD OVER NICKEL
27 30 μ " GOLD OVER NICKEL

SELECT CONTACT

#03 (DATA ON PAGE 213) or #42 CONTACT

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Mill-Max:

[0435-0-15-01-03-14-10-0](#) [0436-0-15-01-03-14-10-0](#)