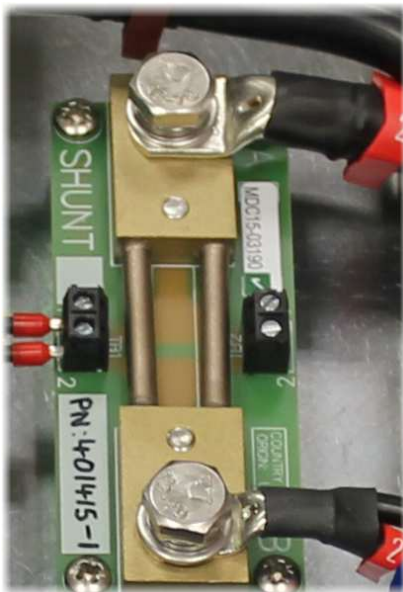


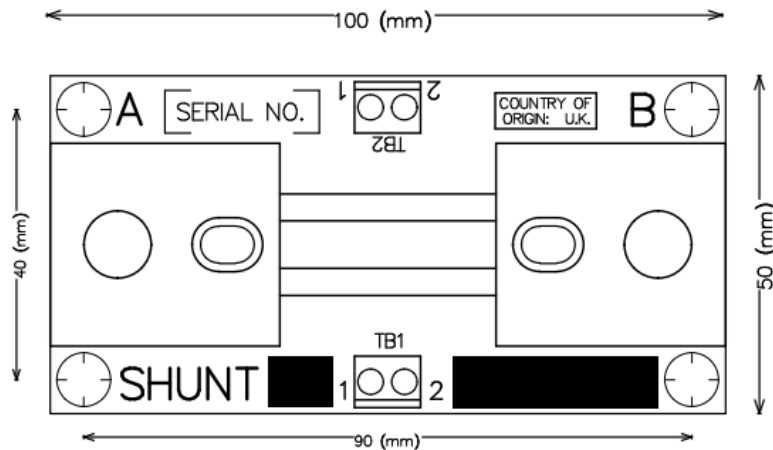
PCB Assembly Name:	MSRx Shunt PCB Assembly
PCB Assembly Part Number:	401411, 401412, 401413, 401414, 401415, 401416, 401417
This version/issue:	1
Bare PCB Part Number:	301406-1
First produced:	May 2008
Dimensions:	100 x 40 x 20mm (including shunt fixings)
Weight (approx.):	0.12kg – 0.15kg
Used on:	MSRx series V2 charge controllers
Manufacturer:	The Micha Design Company Limited
Country of Origin / HS Code:	United Kingdom / Commodity Code: 90328900
Notes:	Shunt value: 25A, 40A, 60A, 100A, 150A, 200A, 250A
Status:	Current / in production



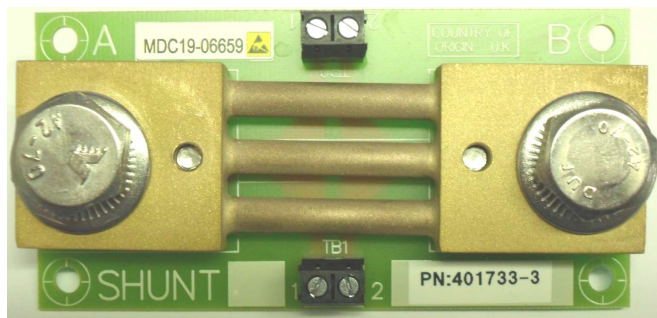
PN 401415 in a typical installation

Part Numbers: **Description:**

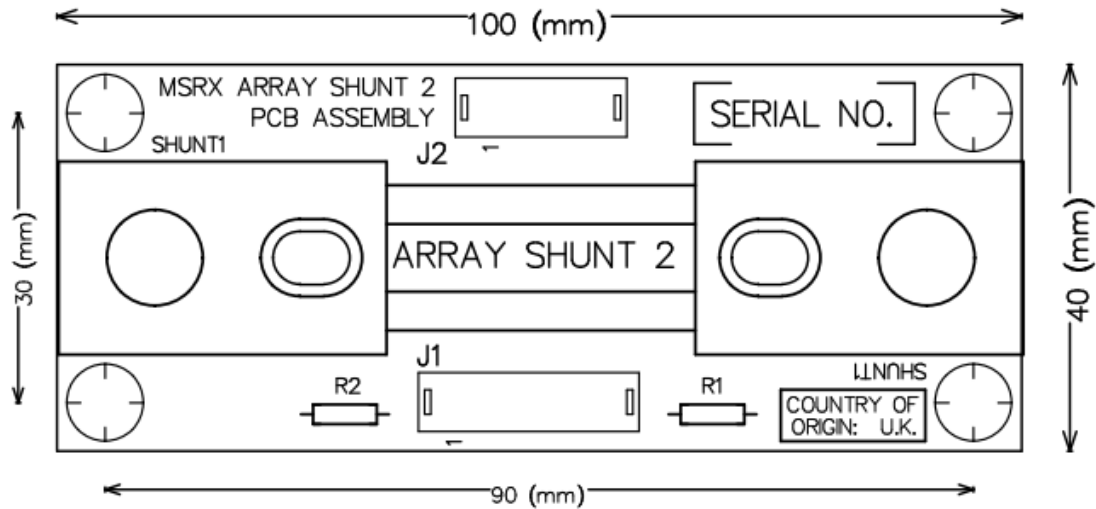
401 411 :	PCBA Shunt 25A 60mV (100 x 20mm)
401 412 :	PCBA Shunt 40A 60mV (100 x 20mm)
401 413 :	PCBA Shunt 60A 60mV (100 x 20mm)
401 414 :	PCBA Shunt 100A 60mV (100 x 20mm)
401 415 :	PCBA Shunt 150A 60mV (100 x 20mm)
401 416 :	PCBA Shunt 200A 60mV (100 x 20mm)
401 417 :	PCBA Shunt 250A 60mV (100 x 20mm)



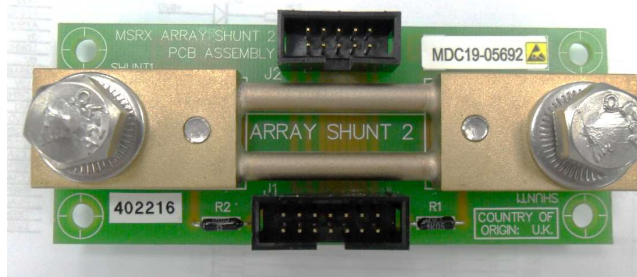
PCB Assembly Name:	MSRx Shunt PCB Assembly
PCB Assembly Part Numbers:	401733, 402127, 402218, 402219, 402220, 402269
This version/issue:	1
Bare PCB Part Number:	301733-1
First produced:	March 2012
Dimensions (approx.):	100 x 50 x 25mm (including shunt fixings)
Weight (approx.):	0.2kg
Used on:	MSRx series V2 charge controllers
Manufacturer:	The Micha Design Company Limited
Country of Origin / HS Code:	United Kingdom / Commodity Code: 90328900
Notes:	Shunt values: 100A, 150A, 200A, 250A, 300A, 400A
Status:	Current / in production



Part Numbers:	Description:
402 269 :	PCBA Shunt 100A 60mV (100 x 20mm)
402 218 :	PCBA Shunt 150A 60mV (100 x 20mm)
402 219 :	PCBA Shunt 200A 60mV (100 x 20mm)
402 220 :	PCBA Shunt 250A 60mV (100 x 25mm)
401 733 :	PCBA Shunt 300A 60mV (100 x 30mm)
402 127 :	PCBA Shunt 400A 60mV (100 x 30mm)



PCB Assembly Name:	MSRx Shunt 2 PCB Assembly
PCB Assembly Part Number:	401733, 402127
This version/issue:	1
Bare PCB Part Number:	300790-2
First produced:	September 2010
Dimensions (approx.):	100 x 40 x 25mm (including shunt fixings)
Weight (approx.):	0.2kg
Used on:	MSRx series charge controllers
Manufacturer:	The Micha Design Company Limited
Country of Origin / HS Code:	United Kingdom / Commodity Code: 90328900
Notes:	Connection via ribbon cables
Status:	Current / in production



Part Numbers:	Description:
401 315:	PCBA Shunt 2 60A 60mV (100 x 40mm)
401 316:	PCBA Shunt 2 60A 100mV (100 x 40mm)
401 317:	PCBA Shunt 2 100A 60mV (100 x 40mm)
400 790:	PCBA Shunt 2 150A 60mV (100 x 40mm)
401 190:	PCBA Shunt 2 200A 60mV (100 x 40mm)
401 520:	PCBA Shunt 2 250A 60mA (100 x 40mm)
401 619:	PCBA Shunt 2 300A 60mV (100 x 40mm)

Note: some versions of shunt assemblies are fitted with sockets instead of box headers.