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RELEASED FOR PUBLICATION

2014

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4

LOC

DIST

REVISONS

P

LYR

B1

UPDATEDED CABLE DIAMETER

01JUN2018

GCM

MZ

B2

REVISED DRAWING

28SEP2018

MZ

MZ

B3

ADDED NEW P/Ns

25NOV2019

MZ

PO

B4

ADDED NEW P/N -5

18JAN2021

MZ

MZ

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SPECIFICATION:

CABLE CONDUCTOR SIZE	2.5 MM <sup>2</sup> /14AWG	4.0 MM <sup>2</sup> /AWG12	6.0 MM <sup>2</sup> /AWG10
RATED CURRENT (AT 85°C AMBIENT)	UL 15A DC TUV 35A DC	UL 20A DC TUV 40A DC	UL 30A DC TUV 45A DC
RATED VOLTAGE	PV4-S: UL 1000V DC / TUV 1000V DC PV4-S1: UL 1500V DC / TUV 1500V DC		
DEGREE OF PROTECTION,MATED	IP 68 (1m, 24h)		
AMBIENT TEMPERATURE RANGE	-40 °C ~ +85 °C		
OVERVOLTAGE CATEGORY	III		
POLLUTIOIN DEGREE	2		
CONTACT RESISTANCE	0.5 mΩ		
CONTACT MATERIAL	COPPER,TIN PLATED		
INSULATION MATERIAL	THERMOPLASTIC, UL94-V0		
SAFETY CLASS	II		
STRIP LENGTH	6.5 mm		
CABLE JACKET DIAMETER	TUV: 5.0-7.8 mm / UL: 5.5-7.8 mm		

2

CONTACT SHOWN UNINSTALLED. FOR REFERENCE ONLY

3

USE ONLY CRIMPING TOOL OF TE CONNECTIVITY TO CRIMP CONTACT.  
A. CRIMPING TOOL PN 6-1579014-9 WILL BE USED FOR CRIMPING THE CONTACTS  
HAVING WIRE SIZE 2.5mm<sup>2</sup> AND 4.0mm<sup>2</sup>.  
B. CRIMPING TOOL PN 6-1579014-8 WILL BE USED FOR CRIMPING THE CONTACTS  
HAVING WIRE SIZE 4.0mm<sup>2</sup> AND 6.0mm<sup>2</sup>.  
4. PLEASE SEE 114-137077 FOR ASSEMBLY PROCESS

PREASSEMBLED VIEW AS SHOWN

ASSEMBLED VIEW AS SHOWN

6

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9

STRIP CONTACT COME OFF TO ASSEMBLY  
2000 PCS CONTACTS MOUNTED REEL  
REEL TYPE SUBJECT TO ALTERNATION

-1 AS SHOWN

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CONNECTOR ASSEMBLY SHOWN EXPLODED VIEW  
FOR REFERENCE ONLY

4- -3	4- -1	3- -3	3- -1	2- -3	2- -1	1- -3	1- -1	-5	-3	-1	PART NUMBER	
1000	2000	1000	2000	100	2000	10	1000				PACKAGING QTY.	
TUV: 5.0-7.8 mm / UL: 5.5-7.8 mm											CABLE JACKET DIAMETER in mm	
1	-	-	-	-	-	1	-	-	-	-	SOCKET CONTACT, 2.5mm <sup>2</sup> /14AWG, STRIP	9
-	1	-	-	1	-	-	-	-	1	-	SOCKET CONTACT, 2.5mm <sup>2</sup> /14AWG, LOOSE PIECE	8
1	1	1	1	1	1	1	1	1	1	1	O-RING, 7.1X1.55 (RED)	7
-	-	1	-	-	1	-	-	1	-	1	SOCKET CONTACT, 4~6mm <sup>2</sup> /10~12AWG, LOOSE PIECE	6
-	-	-	1	-	-	-	1	-	-	-	SOCKET CONTACT, 4~6mm <sup>2</sup> /10~12AWG, STRIP	5
1	1	1	1	1	1	1	1	1	1	1	CABLE SCREW JOINT	4
1	1	1	1	1	1	1	1	1	1	1	PINCH RING SEAL INMOLDED, ASSY	3
1	1	1	1	1	1	1	1	1	1	1	METAL CLIP	2
1	1	1	1	1	1	1	1	1	1	1	PV4-S1 SOCKET CONNECTOR, PLUS CODED	1
QUANTITY PER ASSEMBLY											DESCRIPTION	ITEM No

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±

1 PLC ±

2 PLC ±

3 PLC ±

4 PLC ±

ANGLES ±

FINISH ±

MATERIAL

-

DWN

WANG LORRY

13JUN2014

CHK

TAO DANIEL

13JUN2014

APVD

PETER YIN

13JUN2014

PRODUCT SPEC

108-137077

APPLICATION SPEC

114-137077

WEIGHT

-

CUSTOMER DRAWING

NAME

SOCKET CONNECTOR KITS  
PV4-S1 CONNECTOR, PV4-S1F

SIZE

A2

CAGE CODE

00779

DRAWING NO

C-2270025

RESTRICTED TO

-

SCALE

2:1

SHEET

1

OF

1

REV

B4

1471-9 (3/11)

# Mouser Electronics

Authorized Distributor

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

[TE Connectivity:](#)

[2270025-1](#)