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RELEASED FOR PUBLICATION

2014

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LOC

DIST

REVISIONS

P	LYR	DESCRIPTION	DATE	DWN	APVD
B1		UPDATED 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

1

SPECIFICATION:

CABLE CONDUCTOR SIZE	2.5MM ² /14AWG	4.0MM ² /AWG12	6.0MM ² /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 2.5mm² AND 4.0mm²
B. CRIMPING TOOL PN 6-1579014-8 WILL BE USED FOR CRIMPING THE CONTACTS
HAVING WIRE SIZE 4.0mm² AND 6.0mm²

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CONNECTOR ASSEMBLY SHOWN EXPLODED VIEW
FOR REFERENCE ONLY

PREASSEMBLED VIEW AS SHOWN

DO NOT DISCONNECT
UNDER LOAD

~62.5 REF

Ø18.7 REF

24.5 REF

10.4±0.5

ASSEMBLED VIEW AS SHOWN

PIN CONTACT (LOOSE PIECE)

5

8

6

7

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

-1 AS SHOWN

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	-	-	-	-	PIN CONTACT, 2.5 mm ² /14AWG, STRIP	8
-	1	-	-	1	-	-	-	-	1	-	PIN CONTACT, 2.5 mm ² /14AWG, LOOSE PIECE	7
-	-	1	-	-	1	-	-	1	-	1	PIN CONTACT, 4~6 mm ² /10~12AWG, LOOSE PIECE	6
-	-	-	1	-	-	-	1	-	-	-	PIN CONTACT, 4~6 mm ² /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 PIN CONNECTOR	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

±0.0
±
±
±
±
±

MATERIAL

-

CHK
TAD DANIEL

13JUN2014

APVD
PETER YIN

13JUN2014

PRODUCT SPEC
108-137077

APPLICATION SPEC
114-137077

WEIGHT
-

CUSTOMER DRAWING

WANG LORRY

13JUN2014

TE Connectivity

PIN CONNECTOR KITS
PV4-S1 CONNECTOR, PV4-S1M*

SIZE
A2

CAGE CODE
00779

DRAWING NO
C-2270024

RESTRICTED TO
-

SCALE
2:1

SHEET
1

OF
1

REV
B4

1471-9 (3/11)

Mouser Electronics

Authorized Distributor

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