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20

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TE CONNECTIVITY

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4

LOC

DIST

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A8	ADDED THE TORQUE GAP RANGE	30APR2015	LW	PY

1

SPEFICATION

CABLE CONDUCTOR SIZE	4.0MM2/AWG12	6.0MM2/AWG10
RATED CURRENT (AT 85°C AMBIENT)	UL 20A DC TUV 35A DC	UL 30A DC TUV 40A DC
RATED VOLTAGE	1000V DC / TUV 1000V DC	
DEGREE OF PROTECTION,MATED	IP 68 (1m,24h)	
AMBIENT TEMPERATURE RANGE	-40°C ~+85°C	
OVERVOLTAGE CATEGORY	III	
POLLUTIOIN DEGREE	2	
CONTACT RESISTANCE	0.5mΩ	
CONTACT MATERIAL	COPPER,TIN PLATED	
INSULATION MATERIAL	THERMOPLASTIC, UL94-V0	
SAFETY CLASS	II	
STRIP LENGTH	6.5mm	
CABLE JACKET DIAMETER	5.5~7.8mm	

2

CONTACT SHOWN UNINSTALLED, FOR REFERENCE ONLY

3

USE ONLY CRIMP TOOL OF TE CONNECTIVITY TO CRIMP CONTACT.
CRIMP TOOL P/N 6-1579014-8

4

THE CABLE SCREW JOINT TORQUE GAP:

CABLE OD(mm)	TORQUE GAP(mm)
5.5~<=6.0	1.60±0.25
6.0~<=6.5	1.25±0.25
6.5~<=7.0	1.65±0.25

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6

7

CONNECTOR ASSEMBLY SHOWN EXPLODED VIEW
FOR REFERENCE ONLY

PREASSEMBLED VIEW AS SHOWN

~56.5 REF

2±0.5

Ø18.7 REF

4

TORQUE GAP

ASSEMBLED VIEW AS SHOWN AND
VIEW SHOWS THE TORQUE GAP FOR REFERENCE ONLY

6

SOCKET CONTACT (LOOSE PIECE)

5

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

-1 AS SHOWN

4- -2	4- -1	3- -2	3- -1	2- -2	2- -1	1- -2	1- -1	-2	-1	PART NUMBER	
1		10		100		2000		1000		PACKAGING QTY.	
5.5~6.0	6.0~7.8	5.5~6.0	6.0~7.8	5.5~6.0	6.0~7.8	5.5~6.0	6.0~7.8	5.5~6.0	6.0~7.8	CABLE JACKET DIAMETER in mm	
1	1	1	1	1	1	1	1	1	1	O-RING, 7.1X1.55 (RED)	7
1	1	1	1	1	1	-	-	1	1	SOCKET CONTACT, 4~6mm ² /10~12AWG, LOOSE PIECE	6
-	-	-	-	-	-	1	1	-	-	SOCKET CONTACT, 4~6mm ² /10~12AWG, STRIP	5
1	1	1	1	1	1	1	1	1	1	CABLE SCREW JOINT	4
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	METAL CLIP	2
1	1	1	1	1	1	1	1	1	1	PV4 SOCKET CONNECTOR, PLUS CODED	1
QUANTITY PER ASSEMBLY										DESCRIPTION	ITEM No

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm

0 PLC

1 PLC

2 PLC

3 PLC

4 PLC

ANGLES

FINISH

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TOLERANCES UNLESS
OTHERWISE SPECIFIED:

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MATERIAL

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DWN

08MAR2012

CHK

08MAR2012

APVD

08MAR2012

PRODUCT SPEC

108-106078

APPLICATION SPEC

114-106078

WEIGHT

-

Customer Drawing

CHRIS WANG

ROJAY CHEN

PETER YIN

NAME

SOCKET CONNECTOR KITS (FEMALE)
(PV4-B*)
SOLARLOK PV4 CONNECTOR

SIZE

A2

CAGE CODE

00779

DRAWING NO

©=1971862

RESTRICTED TO

-

SCALE

2:1

SHEET

1

OF

1

REV

A8

1471-9 (3/11)