

4

3

2

1

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

2011

© COPYRIGHT 2011

ALL RIGHTS RESERVED.

LOC

DIST

REVISIONS

AI

-

P

LTR

DESCRIPTION

DATE

DWN

APVD

A

REVISED PER ECO-12-002880

14FEB12

KH

MS

Top view of the connector showing dimensions L, X, and 3.5.

Side view of the connector showing dimensions 11.65 (+0.20/-0.20), 20.75 (+0.20/-0.20), 6.6, and 6.0.

Section A-A of the connector showing internal components: WIRE ENTRY, LEVER, PRESSURE SPRING, CONTACT SPRING, and HOUSING.

SECTION A-A

Front view of the connector showing section A-A.

MATERIALS:
 HOUSING-POLYAMIDE, COLOR-GREEN
 LEVER-POLYAMIDE, COLOR ORANGE
 CONTACT SPRING-COPPER ALLOY-LEAD FREE TIN PLATED
 CLAMPING SPRING-STEEL

MECHANICAL
 INSERTION FORCE PER POLE- 3 NEWTON MAX
 WITHDRAWAL FORCE PER POLE- 1.5 NEWTON MIN
 STRIPPING LENGTH- 10.5 TO 11.5 MM
 OPERATING TEMPERATURE--40°C TO +110°C

ELECTRICAL
 WIRE SIZE= 30 TO 14 AWG SOLID OR STRANDED
 VOLTAGE RATING- 300 VOLTS
 CURRENT RATING- 11 AMP STRANDED; 9AMP SOLID
 CONTACT RESISTANCE-15 MILLOHM MAX
 INSULATION RESISTANCE-10⁹ OHMS MIN (500V DC)

Two perspective views of the connector.

84.00	87.50	25	2-1986693-5
80.50	84.00	24	2-1986693-4
77.00	80.50	23	2-1986693-3
73.50	77.00	22	2-1986693-2
70.00	73.50	21	2-1986693-1
66.50	70.00	20	2-1986693-0
63.00	66.50	19	1-1986693-9
59.50	63.00	18	1-1986693-8
56.00	59.50	17	1-1986693-7
52.50	56.00	16	1-1986693-6
49.00	52.50	15	1-1986693-5
45.50	49.00	14	1-1986693-4
42.00	45.50	13	1-1986693-3
38.50	42.00	12	1-1986693-2
35.00	38.50	11	1-1986693-1
31.50	35.00	10	1-1986693-0
28.00	31.50	9	1986693-9
24.50	28.00	8	1986693-8
21.00	24.50	7	1986693-7
17.50	21.00	6	1986693-6
14.00	17.50	5	1986693-5
10.50	14.00	4	1986693-4
7.00	10.50	3	1986693-3
3.50	7.00	2	1986693-2
DIM X	DIM L	POLE	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN 12JAN2012

KIRAN HOLAL

CHK 12JAN2012

MIKE SARVER

APVD 12JAN2012

MIKE SARVER

PRODUCT SPEC

-

APPLICATION SPEC

-

WEIGHT

-

-

-

-

-

-

-

-

-

TE Connectivity

NAME
 STRAIGHT SPRING TYPE PLUG CONNECTOR,
 SIDE STACKABLE LEFT,
 02 - 25 POLES, PITCH 3.50mm

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-1986693	-

SCALE	SHEET	OF	REV
2:1	1	1	A

CUSTOMER DRAWING

SCALE 2:1

SHEET 1 OF 1 REV A

1470-19 (3/11)

Pro/ENGINEER DRAWING