

## 50-Way Connector Plug for Through Hole Mount, 2-Row

RoHS  
Compliant

Stock No.: A2544WVA-250-P0BKG

### FEATURES

- 50 Ways
- 2 Rows
- 2.54mm Pitch



### Product Description

The flat cable connector is a mainstream of circuit board connector that comes with new improved design. There are various plugs which are available like space-saving box-type plugs, IDC plugs which can be used for relaying. These connectors come with long locks and straight DIP terminals.

### General Specifications

Connector Type	Plug
Number of Contacts	50
Number of Rows	2
Gender	Male
Body Orientation	Straight
Contact Material	Brass
Housing Material	PBT
Colour	Black
Applications	relaying

### Electrical Specifications

Current Rating	3A
Voltage Rating	250V
Proof Voltage	1500VDC or AC peak
Termination Method	IDC
Contact Plating	Gold flash
Cable	2.54mm (0.10in) pitch flat cable
Insulator Resistance	1000MOhm min. at DC 500V
Contact Resistance	20MOhm max. at DC 100mA
Dielectric Withstanding Voltage	1000VAC for 1 Minute
Connector System	Wire to Board

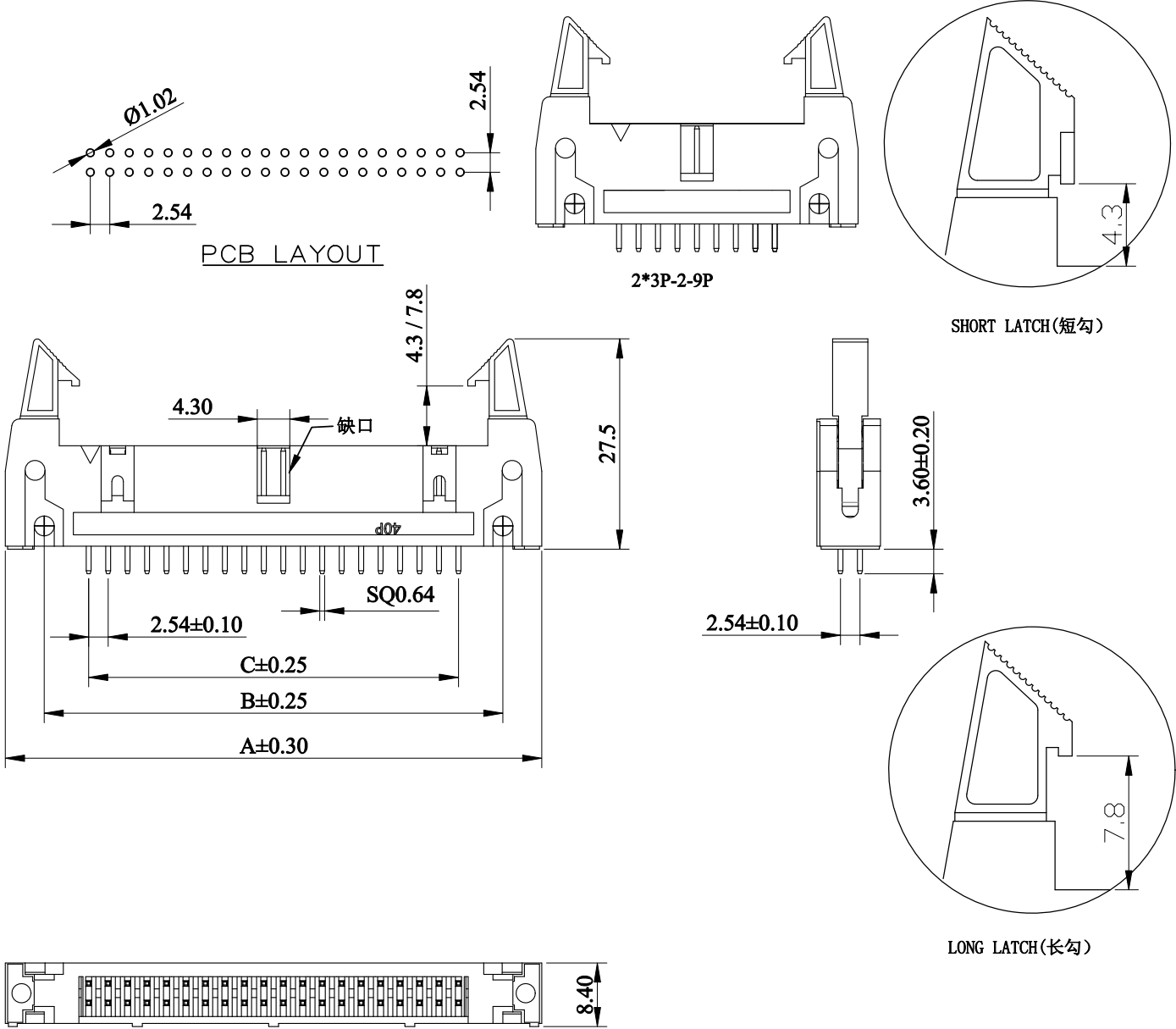
## Mechanical Specifications

<b>Pitch</b>	2.54mm
<b>Mounting Type</b>	Through Hole
<b>Ejector Style</b>	Long latches
<b>Length</b>	82.8mm
<b>Width</b>	8.4mm

## Operation Environment Specifications

<b>Operating Temperature Range</b>	-25°C to 85°C
<b>Minimum Operating Temperature</b>	-25°C
<b>Maximum Operating Temperature</b>	85°C

Product Drawing



## ■ Specifications :

- Voltage rating: 250V AC / DC
- Current rating: 3A AC / DC
- Withstanding voltage: 1500V AC/minute
- Temperature Range: -25° C~+85° C
- Insulation Resistance: 1000MΩ Min.
- Contact Resistance: 20mΩ Max.

### Reference Informations:

#### \*Material:

PIN: Brass/Gold-flash

Wafer: PBT,UL94V-0

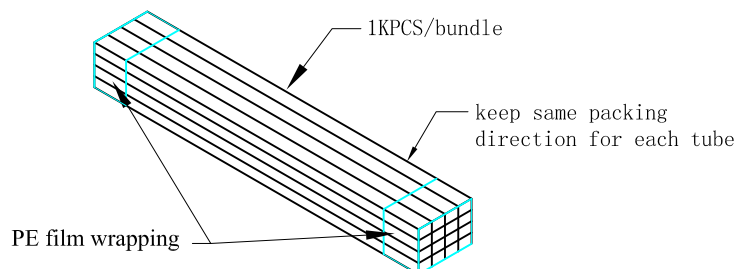
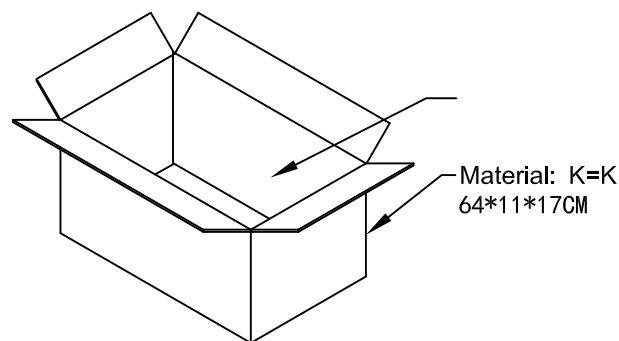
Color: BK-Black

\*Mates with LDZY A2544/A2547 series Housing

A2544 W V A - 2NP - P0 BK G X

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- ① Series No.
- ② Category:W-wafer
- ③ Welding Board Angle: V- Straight 180° , R-Vertical 90°
- ④ Colloid Feature: Blank-Common,A-A type(勾勾牛角) ...
- ⑤ Circuit No.: 230-2\*15PIN,
- ⑥ Material: 6T-Nylon6T,UL94V-0; P0-PBT,UL94V-0;
- ⑦ Color: BK-Black, WT-White
- ⑧ Plating Method: G-Gold-flash, T-Tin-plated,
- ⑨ Option: Blank-Standard type(长勾单缺口), 2-B type(短勾单缺口)



### Ordering Information & Dimensions

Poles	Dimensions (mm)			Poles	Dimensions (mm)		
	A	B	C		A	B	C
2*3P	26.92	16.76	5.08	2*18P	65.02	54.86	43.18
2*4P	29.46	19.30	7.62	2*19P	67.56	57.40	45.72
2*5P	32.00	21.84	10.16	2*20P	70.10	59.94	48.26
2*6P	34.54	24.38	12.70	2*21P	72.64	62.48	50.80
2*7P	37.08	26.92	15.24	2*22P	75.18	65.02	53.34
2*8P	39.62	29.46	17.78	2*23P	77.72	67.56	55.88
2*9P	42.16	32.00	20.32	2*24P	80.26	70.10	58.42
2*10P	44.70	34.54	22.86	2*25P	82.80	72.64	60.96
2*11P	47.24	37.08	25.40	2*26P	85.34	75.18	63.50
2*12P	49.78	39.62	27.94	2*27P	87.88	77.72	66.04
2*13P	52.32	42.16	30.48	2*28P	90.42	80.26	68.58
2*14P	54.86	44.70	32.02	2*29P	92.96	82.80	71.12
2*15P	57.40	47.24	35.56	2*30P	95.50	85.34	73.66
2*16P	59.94	49.78	38.10	2*31P	98.04	87.88	76.20
2*17P	62.48	52.32	40.64	2*32P	100.58	90.42	78.74

Dimensions: Millimeters (Inches)

### Notices:

1. Tube material: transparent hard environmental PVC
2. Thickness: 0.40mm
3. Tube size: 12.6\*6.6\*600MM
4. There are white soft stoppers on both ends of the packaging tube.

### Part Number Table

Part Number	Description
A2544WVA-250-P0BK	50-Way Connector Plug for Through Hole Mount, 2-Row

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