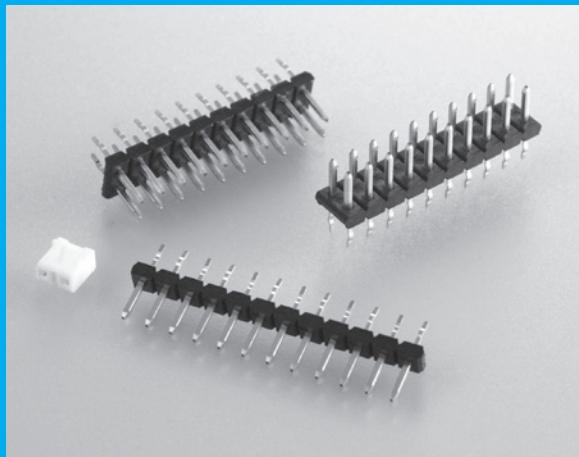


DSP SERIES

DIP SHORTING PLUG

RoHS
Compliant



FEATURES

- ▶ 2.54mm(0.100") terminal grid.
- ▶ Side and end stackable.
- ▶ Low profile 6mm(0.236").
- ▶ Kinked tails hold plug to PCB during soldering.
- ▶ The chain form (10 chains) of the DSP01 enhances mounting efficiency.
- ▶ Single and dual row in several variations.
- ▶ Due to its unique design concept, it realizes high reliability and low cost.

ORDER CODE

DSP0 - - **43** **G** -

①

②

③

④

⑤

*Please order in multiples of the quantity per package.

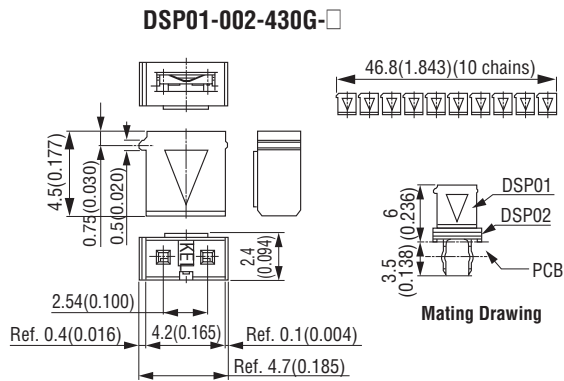
- ① **[Type]** **DSP01** : Socket **DSP02** : Dual inline plug **DSP03** : Single inline plug
- ② **[No. of contacts]** (DSP01) **002** : 2pin (DSP02) **002** : 2pin **004** : 4pin **006** : 6pin **008** : 8pin **010** : 10pin **012** : 12pin **014** : 14pin
016 : 16pin **020** : 20pin **030** : 30pin **060** : 60pin (DSP03) **003** : 3pin **004** : 4pin **008** : 8pin **012** : 12pin **024** : 24pin **048** : 48pin
- ③ **[Contact name]** **430** : DSP01 **431** : DSP02 **432** : DSP03
- ④ **[Contact plating]** **G** : Gold Plating (RoHS compliant)
- ⑤ **[Color]** (Only DSP01) **9** : White **0** : Black **2** : Red **5** : Green **6** : Blue

SPECIFICATIONS

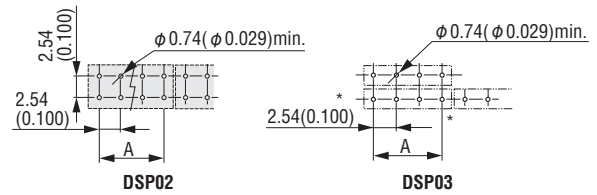
Material and plating		Electrical Characteristics	
Insulator material	[DSP01]Glass-filled PBT (UL94V-0) Standard color: white Semi-standard:Black, Red, Green, blue [DSP02/03]Glass-filled Nylon 66 (UL94V-0), Black	Current rating	1A per contact
		Contact resistance	20mΩ max. (Between plug terminals of a closed circuit while mounted to a socket.)
		Dielectric withstanding voltage	1000V AC for 1 minute. (Between plug terminals of a open circuit while mounted to a socket.)
Contact material	Copper alloy	Insulation resistance	1,000MΩ min. at 500V DC (Between plug terminals of a open circuit while mounted to a socket.)
Contact plating	Gold over Nickel	Insertion force	9.80N max./2 terminals
		Withdrawal force	0.88N min./2 terminals
		Operating temperature	-55°C to +85°C

DSP0- -43G-

Unit : mm(inch)



Printed Circuit Board Layout (Component Side View)



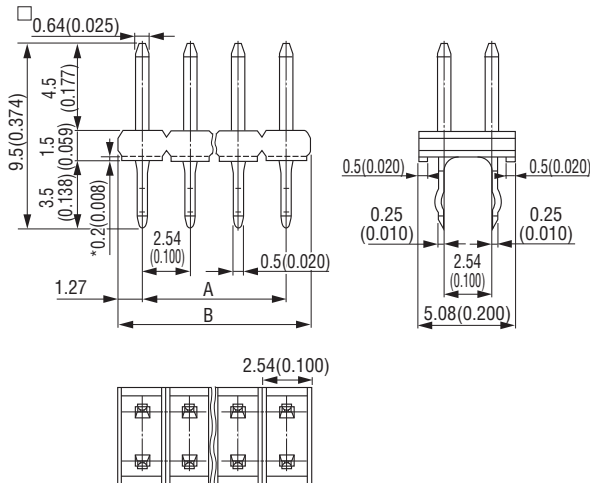
Packaging style

Other

Product Table

No. of contacts	Part Number	Number of packaging
2	DSP01-002-430G-	1,000

DSP02- -431G



Packaging style

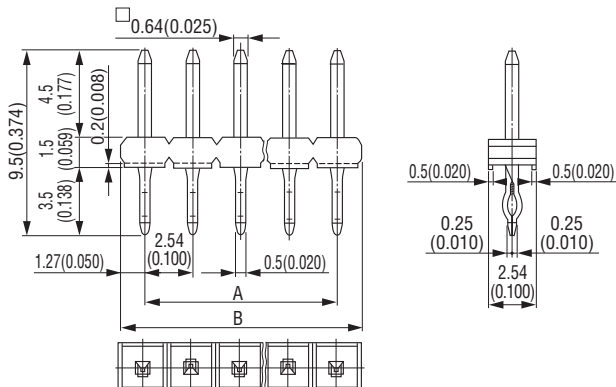
Other

Product Table / Dimensions

No. of contacts	Part Number	A	B	Number of packaging
2	DSP02-002-431G	—	2.54 (0.100)	100
4	DSP02-004-431G	2.54 (0.100)	5.08 (0.200)	100
6	DSP02-006-431G	5.08 (0.200)	7.62 (0.300)	100
8	DSP02-008-431G	7.62 (0.300)	10.16 (0.400)	100
10	DSP02-010-431G	10.16 (0.400)	12.70 (0.500)	100
12	DSP02-012-431G	12.70 (0.500)	15.24 (0.600)	100
14	DSP02-014-431G	15.24 (0.600)	17.78 (0.700)	100
16	DSP02-016-431G	17.78 (0.700)	20.32 (0.800)	100
20	DSP02-020-431G	22.86 (0.900)	25.40 (1.000)	100
30	DSP02-030-431G	35.56 (1.400)	38.10 (1.500)	100
60	DSP02-060-431G	73.66 (2.900)	76.20 (3.000)	100

*Units with standoffs of 0.5 mm are also available.

DSP03- -432G



Packaging style

Other

Product Table / Dimensions

No. of contacts	Part Number	A	B	Number of packaging
3	DSP03-003-432G	5.08 (0.200)	7.62 (0.300)	100
4	DSP03-004-432G	7.62 (0.300)	10.16 (0.400)	100
8	DSP03-008-432G	17.78 (0.700)	20.32 (0.800)	100
12	DSP03-012-432G	27.94 (1.100)	30.48 (1.200)	100
24	DSP03-024-432G	58.42 (2.300)	60.96 (2.400)	100
48	DSP03-048-432G	119.38 (4.700)	121.92 (4.800)	100