

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0520040910](#)
Status: **Active**
Description: 1.50mm (.059") Pitch Wire Trap, Push-Cover Style, Vertical, 9 Circuits

Documents:

[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-52004-001 \(PDF\)](#)
[Product Specification PS-52004-002 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	Ribbon Cable / Wire Trap Connectors
Series	52004
Comments	Push-Cover
Component Type	One Piece
Glow-Wire Compliant	No
Product Name	Board-In, Wire Trap

Physical

Circuits (Loaded)	9
Entry Angle	Vertical
Lock to Mating Part	None
Number of Rows	1
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.059 In
Pitch - Mating Interface (mm)	1.50 mm
Polarized to Mating Part	N/A
Polarized to PCB	Yes
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Wire Insulation Diameter	1.50mm (.059") max.
Wire Size AWG	24, 26
Wire/Cable Type	Ribbon Cable

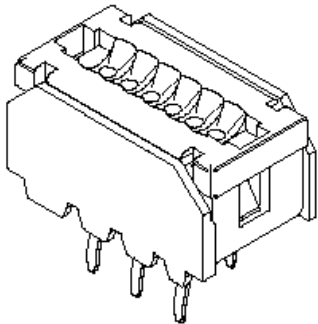
Electrical

Current - Maximum per Contact	2.5A
Voltage - Maximum	150V

Material Info

Reference - Drawing Numbers

Product Specification	PS-52004-001, PS-52004-002
Sales Drawing	SD-52004-**10



Series
image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Contains SVHC: No
Halogen-Free
Status

China RoHS



Not Reviewed

**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series
52004Series

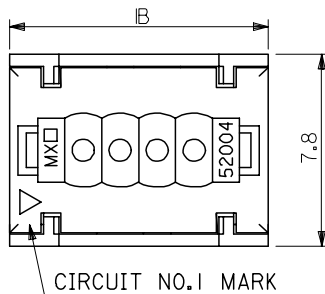
Mates With
N/A

Use With
Topcoated ribbon cable

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

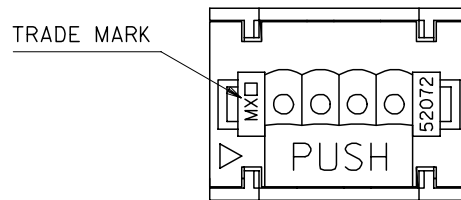
10 9 8 7 6 5 4 3 2 1

FOR 3~12CKTS.



FOR 13~17CKTS.

(ONLY COVER SHAPE IS DIFFERENT FROM 3~12CKTS.)



NOTES: 1. MATERIAL

TERMINAL: PHOS-BRO, TIN-PLATED. (t=0.254)

HOUSING: PBT(15%G.F.), UL94V-0

G.E. PLASTICS JAPAN LTD.

VALOX DR-48 UL FILE NO. E45587

COVER: PBT(30%G.F.), UL94V-0

G.E. PLASTICS JAPAN LTD.

VALOX 420-SEO UL FILE NO. E45587

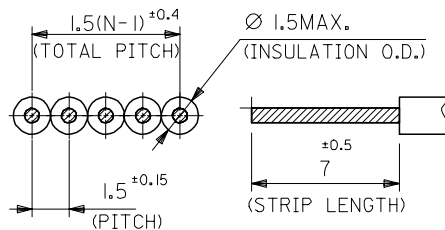
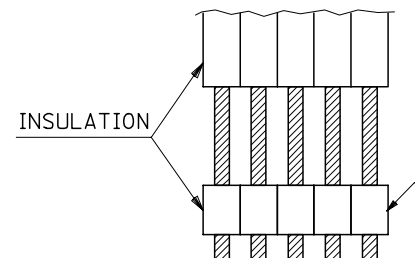
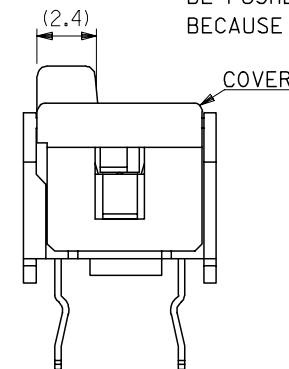
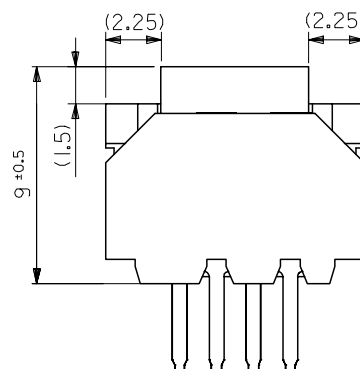
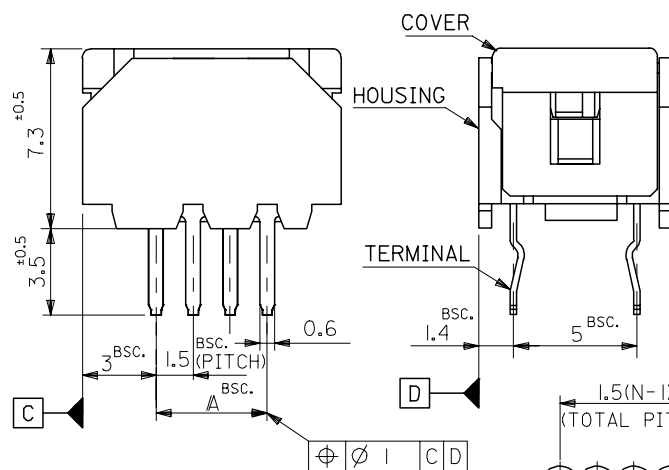
2. APPLICABLE WIRE

1.5 PITCH RIBBON CABLE

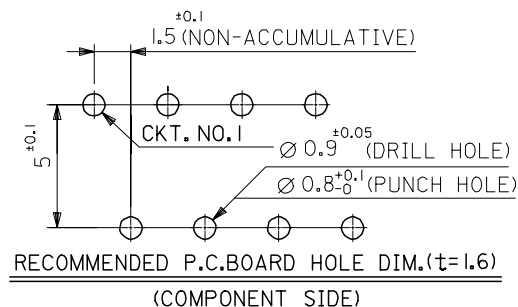
(UL2468, AWG#24~#26 TOP-COATED WIRE)

3. THE CABLE STRIPED AS SHOWN IN THE FIG.,

* (MARKED INSULATION) PART SHOULD NOT BE PUSHED AND SLID DIRECTLY BY THE COVER, BECAUSE THE COVER MAY BE POSSIBLY PUSHED DOWN.



RECOMMENDED WIRE DIM.



30	24	52004-1710	17
28.5	22.5	-1610	16
27	21	-1510	15
25.5	19.5	-1410	14
24	18	-1310	13
22.5	16.5	-1210	12
21	15	-1110	11
19.5	13.5	-1010	10
18	12	-0910	9
16.5	10.5	-0810	8
15	9	-0710	7
13.5	7.5	-0610	6
12	6	-0510	5
10.5	4.5	-0410	4
9	3	-0310	3
IB	A	52004-0310	3
		ENG. NO.	極数

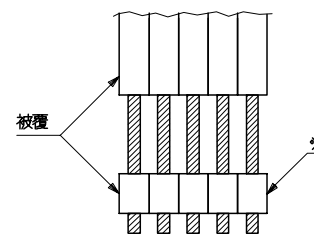
GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
10 UNDER ±0.2		DRAWN BY SKUNISHI		DATE 86/08/27		TITLE 1.5 WIRE TRAP CONN.	
10 OVER 30 UNDER ±0.25		CHECKED BY HII		DATE 93/01/18		MOLEX INCORPORATED	
30 OVER ±0.3		APPROVED BY MFUKUSHIMA		DATE 93/01/18		DOCUMENT NO. SD-52004-**10	
ANGULAR ±3 °		MATERIAL NO.		SHEET NO. 1 OF 2			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

(注記) 1. 材質

VALOX 420-SE0 UL FILE NO. E45587

(UL 2468、AWG#24～#26錫コート線)

3. 下図の様な端末処理ケーブルにて、※部を直接カバーに押し付けスライドさせる使用法はカバーが押し下げられる可能性があるため不可。



30	24	52004-17 10	17
28.5	22.5	-16 10	16
27	21	-15 10	15
25.5	19.5	-14 10	14
24	18	-13 10	13
22.5	16.5	-12 10	12
21	15	-11 10	11
19.5	13.5	-10 10	10
18	12	-09 10	9
16.5	10.5	-08 10	8
15	9	-07 10	7
13.5	7.5	-06 10	6
12	6	-05 10	5
10.5	4.5	-04 10	4
9	3	52004-03 10	3
B	A	ENG NO	極致

電線推獎寸法

REVISED	ECNO: J2004-4815 DRAWN: AIDA CHK'D: HTAKASE APPR: JM YAZAW	2004/08/05 2004/08/05 2004/08/17	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
				10 UNDER	± 0.2	DRAWN BY SKUNISHI	DATE 86/08/27	TITLE 1.5 WIRE TRAP CONN. (JAPAN)			
				10 OVER 30 UNDER	± 0.25	CHECKED BY HII	DATE 93/01/18				
				30 OVER	± 0.3	APPROVED BY MFUKUSHIMA	DATE 93/01/18	 MOLEX INCORPORATED			
				ANGULAR ±3 °	MATERIAL NO.		DOCUMENT NO.				
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-52004-*x10		2 OF 2	
REV			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSIONS						