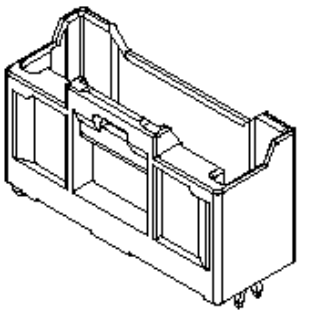
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Part Number: 5016452620
Status: Active
Overview: igrid
Description: 2.00mm (.079") Pitch iGrid™ Wire-to-Board Header, Dual Row, Vertical, with PCB Locator, 26 Circuits, Lead-free

Documents:
3D Model
Drawing (PDF)
Product Specification PS-501646-001 (PDF)
RoHS Certificate of Compliance (PDF)



Series image - Reference only

General

Product Family	PCB Headers
Series	501645
Application	Wire-to-Board
MolexKits	Yes
Overview	igrid
Product Name	iGrid™

Physical

Breakaway	No
Circuits (Loaded)	26
Color - Resin	Natural
Durability (mating cycles max)	30
Glow-Wire Compliant	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	2
Orientation	Vertical
PC Tail Length (in)	0.126 In
PC Tail Length (mm)	3.20 mm
PCB Locator	Yes
PCB Retention	None
PCB Thickness Recommended (in)	0.047 In, 0.063 In
PCB Thickness Recommended (mm)	1.20 mm, 1.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-25°C to +85°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	2A
Voltage - Maximum	250V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Packaging Specification	SPK-501645-001

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Not Reviewed
Halogen-Free Status
Not Reviewed

China RoHS

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.

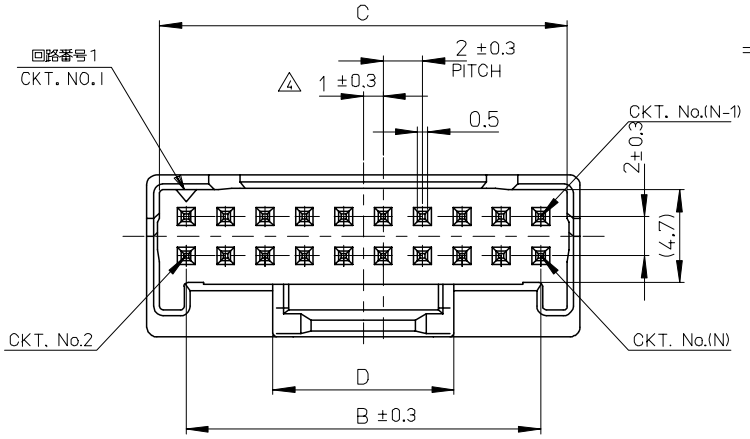
Search Parts in this Series
501645Series

Mates With
501646 Housing. 501647 Crimp Terminal 22-26 AWG. 501648 Crimp Terminal 26-28 AWG

Product Specification	PS-501646-001, RPS-501646-001, RPS-501646-002, RPS-501646-003, RPS-501646-004, RPS-501646-005, RPS-501646-006, RPS-501646-007
Sales Drawing	SD-501645-001

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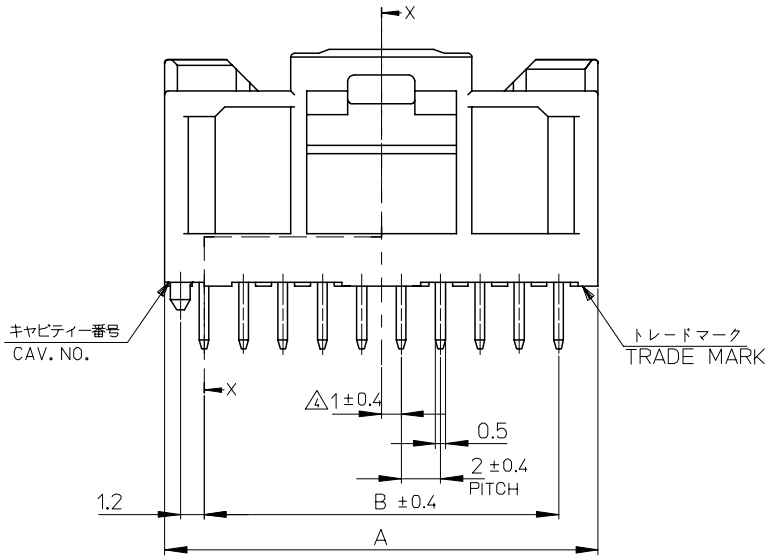
注記
NOTES

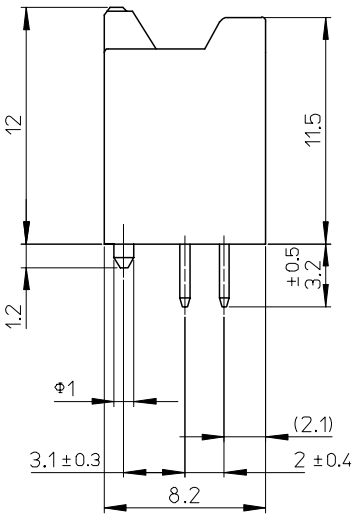
1. 材料 MATERIAL
ピン ： 黄銅, 銅下地錫メッキ
PIN : BRASS, Sn OVER COPPER PLATED
ハウジング ： 66ナイロン(ガラス入り), UL94V-0
HOUSING : 66NYLON (G.F.), UL94V-0
2. 嵌合相手 :501646 シリーズ
MATE WITH : 501646 SERIES

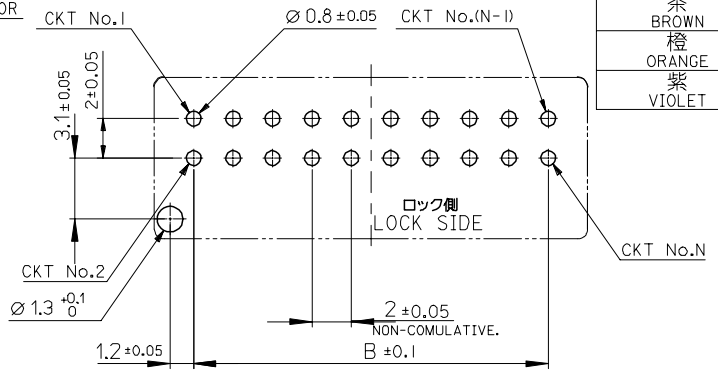
△3 製品番号
MATERIAL NO.
501645 -**2*
極数 CIRCUIT SIZE
色 COLOR

△4 (全極数/2)=偶数の場合に適用。
APPLY FOR (CIRCUIT/2)=EVEN

ナチュラル NATURAL	0
黒 BLACK	1
赤 RED	2
黄 YELLOW	3
青 BLUE	4
桃 PINK	5
緑 GREEN	6
茶 BROWN	7
橙 ORANGE	8
紫 VIOLET	9

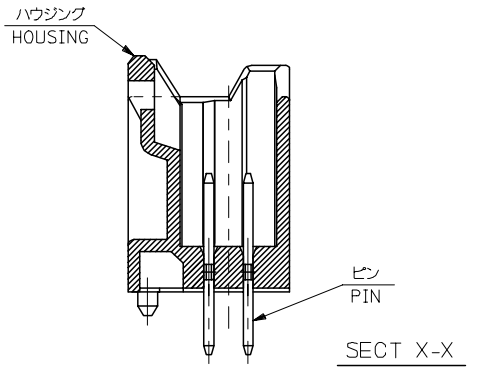






基板取付穴推奨寸法 (マウント面)
RECOMMENDED P.C.BOARD HOLE DIMENSION (MOUNTING SIDE)
(t=1.2~1.6)

D	C	B	A	△3 MATERIAL NO.	CKT.
9.2	40.7	38	42	501645-402*	40
9.2	38.7	36	40	-382*	38
9.2	36.7	34	38	-362*	36
9.2	34.7	32	36	-342*	34
9.2	32.7	30	34	-322*	32
9.2	30.7	28	32	-302*	30
9.2	28.7	26	30	-282*	28
9.2	26.7	24	28	-262*	26
9.2	24.7	22	26	-242*	24
9.2	22.7	20	24	-222*	22
9.2	20.7	18	22	-202*	20
9.2	18.7	16	20	-182*	18
9.2	16.7	14	18	-162*	16
9.2	14.7	12	16	-142*	14
9.2	12.7	10	14	-122*	12
7.3	10.7	8	12	501645-102*	10



SECT X-X

REVISED
EC NO: J2006-1309 2005/10/20
DRWN:NITO 2005/10/21
CHKD:ASAKAWA
APPR:SICHIKAWA
DESCRIPTION
REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: 4:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: N.ITO DATE: 05/07/04			
CHECKED BY: ASAKAWA DATE: 05/07/04			
APPROVED BY: ICHIKAWA DATE: 05/07/04			
MATERIAL NO.: 501645-**2*			

TITLE: 2.0MM W/B DUAL CONN DIP PLUG ASSY ST(WITH BOSS) -LEAD FREE-

molex MOLEX INCORPORATED

DOCUMENT NO.: SD-501645-001 SHEET NO.: 1 OF 1

SIZE A3

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