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Part Number: [5021185090](#)
Status: **Active**
Description: 0.50mm (.020") Pitch Easy-On™ BackFlip™ FPC Connector, 0.90mm (.035") Height, Right Angle, SMT, Dual Contact Style, 50 Circuits, Lead-free

Documents:
[3D Model](#) [Product Specification PS-502118-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family FFC/FPC Connectors
Series [502118](#)
Product Name BackFlip™, Easy-On™

Physical

Circuits (Loaded) 50
Color - Resin Beige, Brown
Contact Position Dual
Durability (mating cycles max) 10
Entry Angle 90° Angle
Mated Height (in) 0.035 In
Mated Height (mm) 0.90 mm
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Gold
Number of Rows 1
Orientation Right Angle
PCB Locator No
PCB Retention Yes
Packaging Type Embossed Tape on Reel
Pitch - Mating Interface (in) 0.020 In
Pitch - Mating Interface (mm) 0.50 mm
Polarized to PCB Yes
Stackable No
Temperature Range - Operating -40°C to +85°C
Termination Interface: Style Surface Mount
Wire/Cable Type FPC only

Electrical

Current - Maximum per Contact 0.5A
Voltage - Maximum 50V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Packaging Specification SPK-502118-001
Product Specification PS-502118-001, RPS-502118-001
Sales Drawing SD-502118-001, SD-502118-002

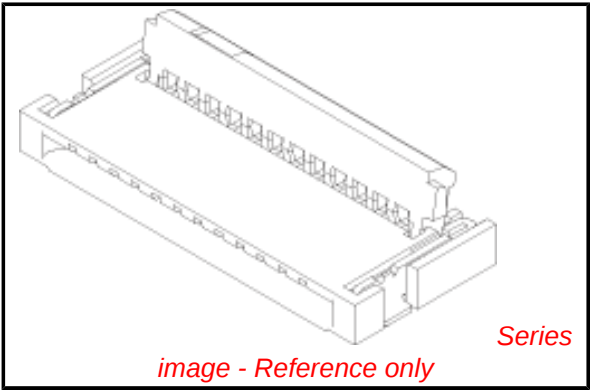


image - Reference only

Series

EU RoHS

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

China RoHS

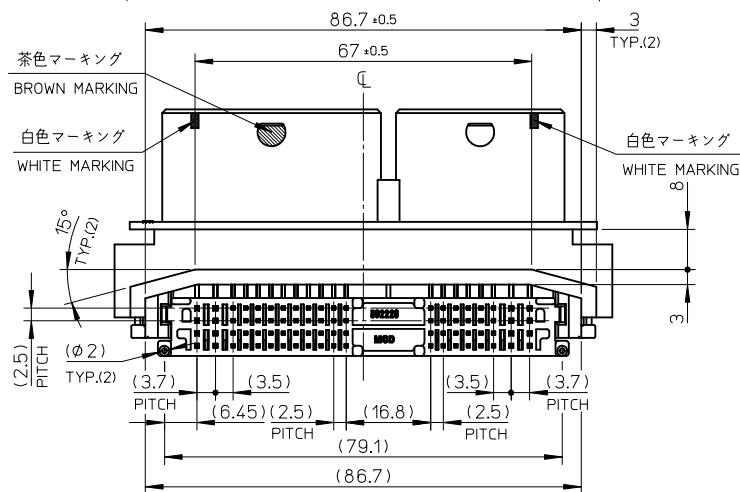
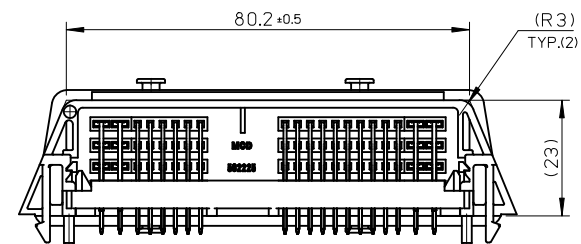
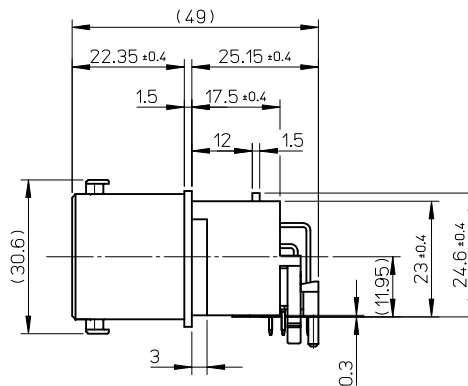
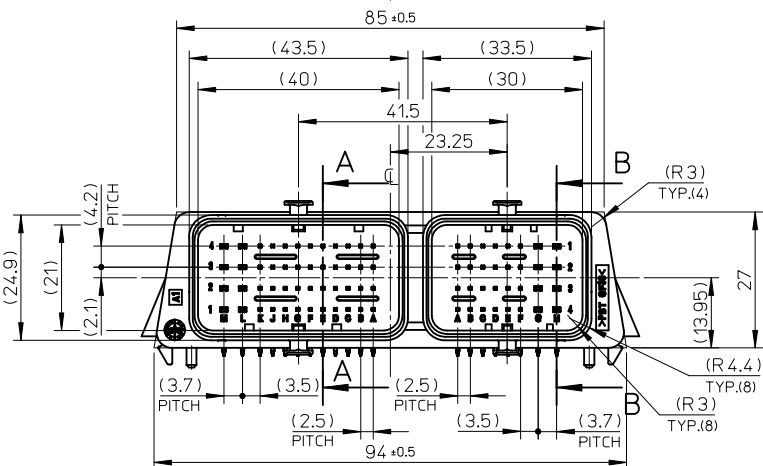
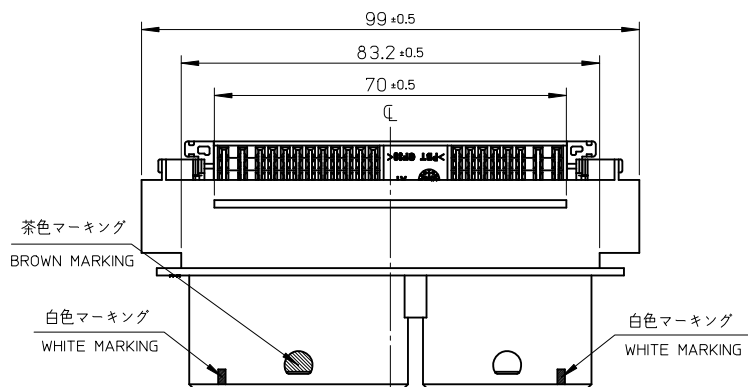


**Need more information on product
environmental compliance?**

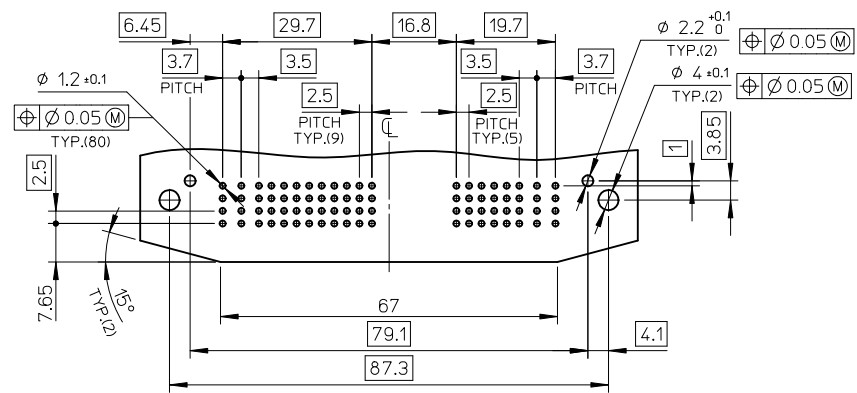
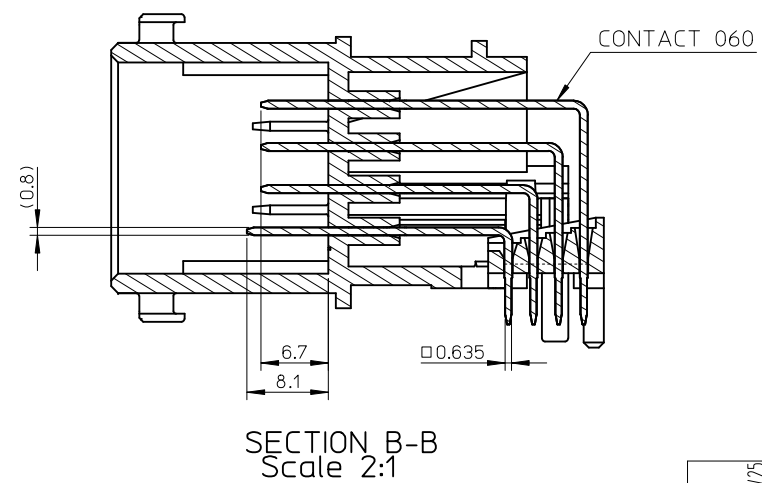
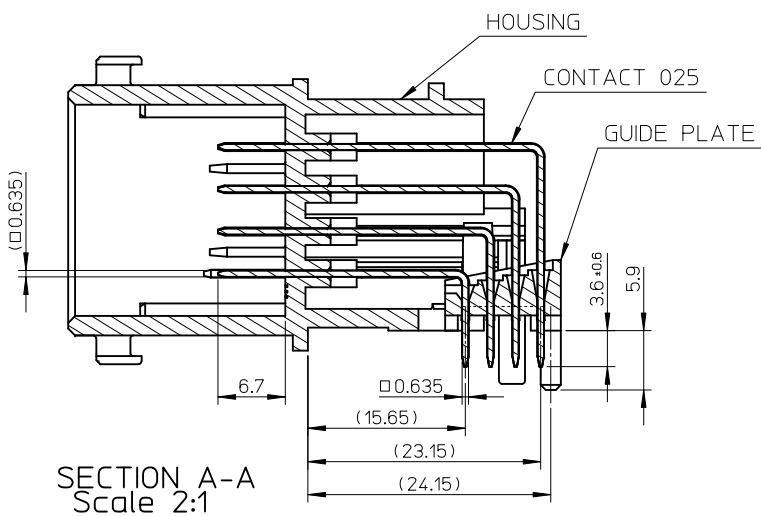
Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

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

Search Parts in this Series
[502118Series](#)



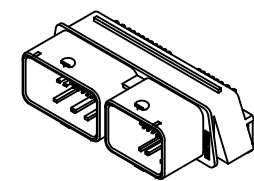
RELEASED EC NO: JTR2010-0090 DRWN:SANO 2006/05/25 CHKD:MA.YAMAMOTO 2006/5/25 APPR:MAYAMOTO 2010/03/10	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		10 UNDER	± 0.2	DRAWN BY S.ANDO	DATE 2006/5/25	TITLE CMC HEADER 80PIN				
		10 OVER 30 UNDER	± 0.25	CHECKED BY MA.YAMAMOTO	DATE 2006/5/25					
		30 OVER	± 0.3	APPROVED BY MAYAMAMOTO	DATE 2010/03/09	MOLEX MOLEX INCORPORATED				
		ANGULAR ±2 °		MATERIAL NO. 502225-0801						
	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



基板穴推奨寸法 (部品実装側)
RECOMMENDED PCB LAYOUT (COMPONENT SIDE)

注記
NOTES

- ハウジング材料: PBT, GF30%, 黒色
HOUSING MATERIAL: PBT, GF30%, BLACK
- 端子材料: 銅合金
CONTACT MATERIAL: COPPER ALLOY
- 端子表面処理:
コンタクト部: 鍍めっき
テール部: 鍍めっき
接地ニッケルめっき (025, 060端子全面)
CONTACT PLATING:
CONTACT AREA: Sn PLATING
TAIL AREA: Sn PLATING
UNDER NICKEL PLATING (ALL OVER)
- 適合基板厚: 1.6±0.1mm
APPLICABLE PCB THICKNESS: 1.6±0.1mm
- 適合適合コネクタ:
64319-3211 (32ピン, 黒, 右)
64320-1519 (48ピン, 茶, 左) 又は,
64319-1211 (32ピン, 黒, 左)
64320-3319 (48ピン, 茶, 右)
APPLICABLE MATING CONNECTOR:
64319-3211 (32PIN, BLACK, RIGHT),
64320-1519 (48PIN, BROWN, LEFT) OR,
64319-1211 (32PIN, BLACK, LEFT),
64320-3319 (48PIN, BROWN, RIGHT)
- 製品仕様書:
PS-64319-001参照
PRODUCT SPECIFICATION:
REFER TO PS-64319-001



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		30 OVER ± 0.3		APPROVED BY MAYAMAMOTO DATE 2010/03/09		molex MOLEX INCORPORATED DOCUMENT NO. SD-502225-001 SHEET NO. 2 OF 2			
		ANGULAR ±2 °		MATERIAL NO. SEE SHEET No.1					
	REV	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			