



# LPY series

## 0.3 mm Pitch Connectors

### Outline

This series of connectors are stacking connectors for mobile equipment such as cellular phones, personal digital assistants (PDA), digital cameras, which are low profile type connectors with EMI and ESD-filter shielded structures, suitable for high-density mounting, and which allow reduced mounting and connection space from PCB to PCB or from PCB to FPC.

### Features

- Maximum space savings
- Mounting on a PCB becomes simpler.
- Provides EMI and ESD-filter shielded structures

### Principal Applications

Cellular phones, personal digital assistants (PDA), digital cameras, and miniature electronic equipment, etc.

### Electrical Characteristics

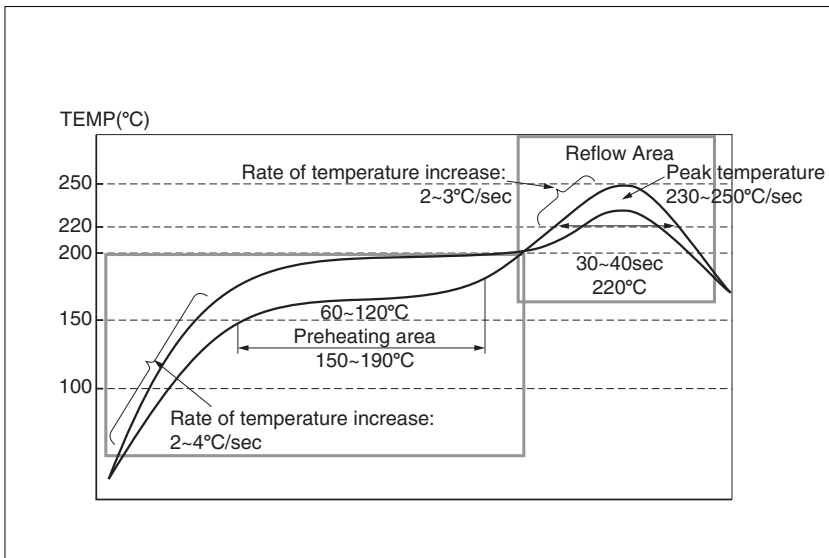
Rated voltage	50V
Rated current	0.25A
Temperature range	-25 to +85°C

#### Document Disclaimer

- When placing orders with us, minimum order quantities are set for every product.
- Be sure to contact us before starting preliminary design of PCBs using our connectors.
- The specifications and information shown in the catalog are subject to change without notice.

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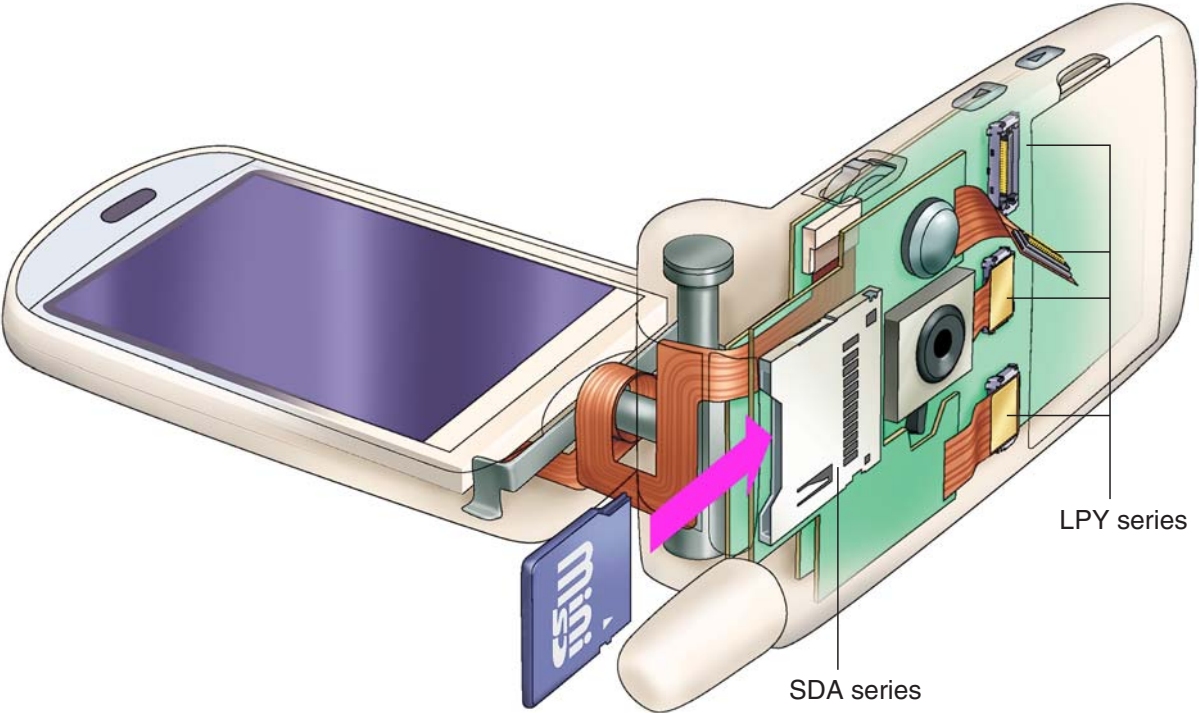
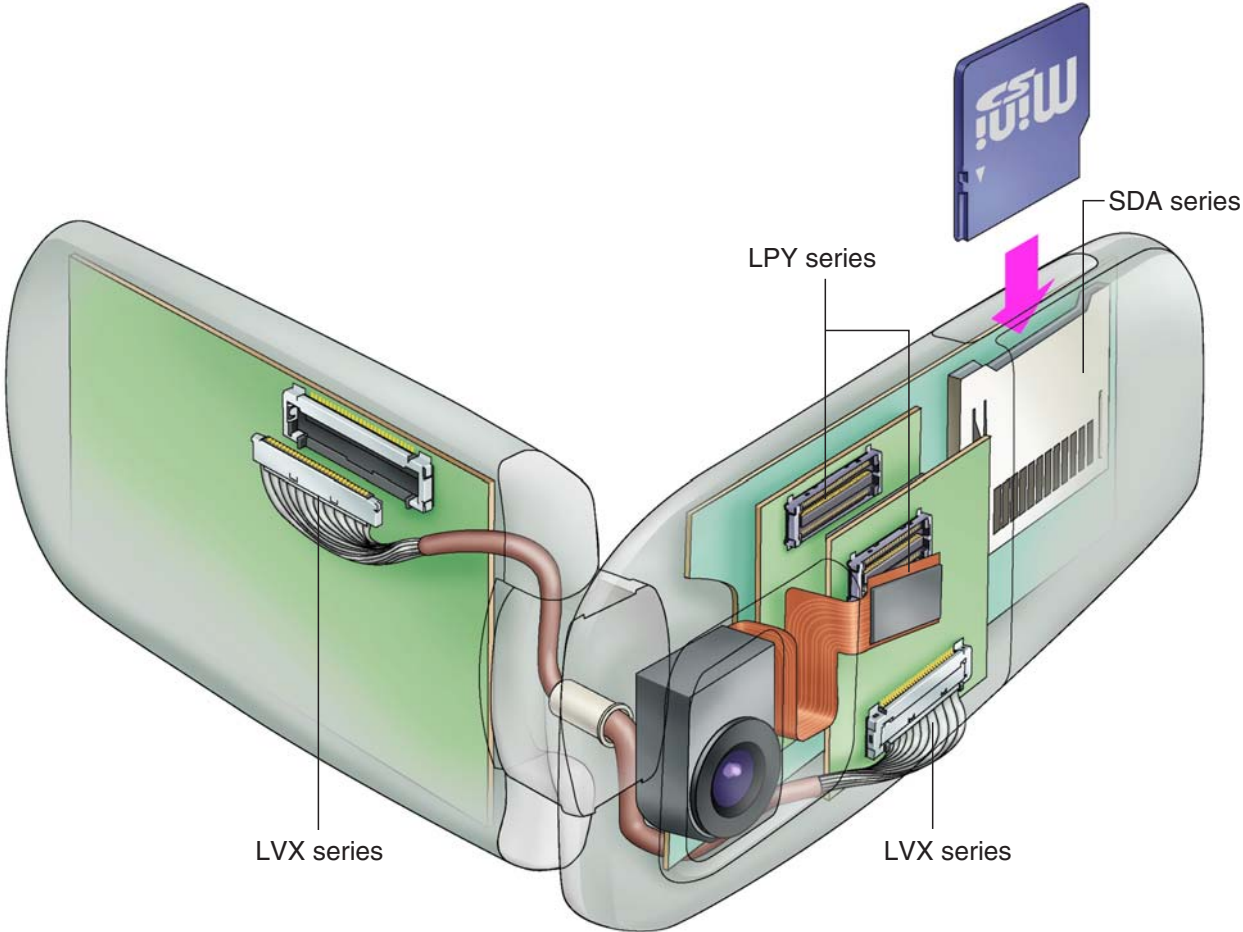
## Reflow temperature profile (for reference purposes)



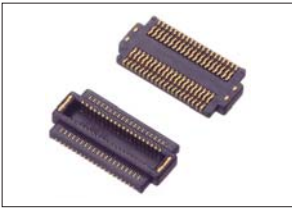
The reflow temperature profile shown in this drawing is for reference purposes. This profile depends on requirements such as reflow equipment, soldering paste, and PCB size. Thus, this profile may not meet with your specific situation. Please evaluate your PCB-mounting soldering and set your own reflow temperature profile.

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Example



## Product List



Stacking straight SMT type male  
connector for PCB  
LPY-( )SMY1

**G-46**  
LPY series...6



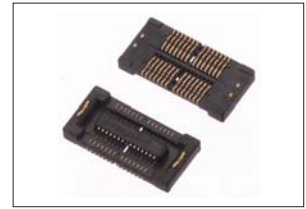
Stacking straight SMT type male  
connector for PCB  
LPY-B( )SMY1

**G-47**  
LPY series...7



Stacking straight SMT type  
female connector for PCB  
LPY-( )SFY

**G-48**  
LPY series...8



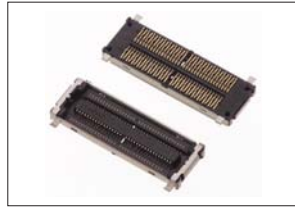
Stacking straight SMT type  
female connector for PCB  
LPY-B( )SFY

**G-49**  
LPY series...9



Stacking straight SMT type  
female connector for PCB  
LPY-EA( )SFY

**G-50**  
LPY series...10



Stacking straight SMT type  
female connector for PCB  
LPY-EB( )SFY

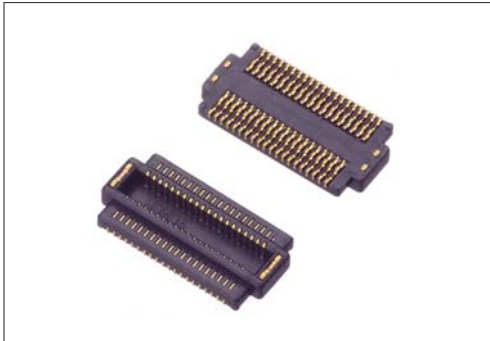
**G-51**  
LPY series...11

# Stacking straight SMT type male connector for PCB LPY-( )SMY1

For PCB or FPC

Straight SMT

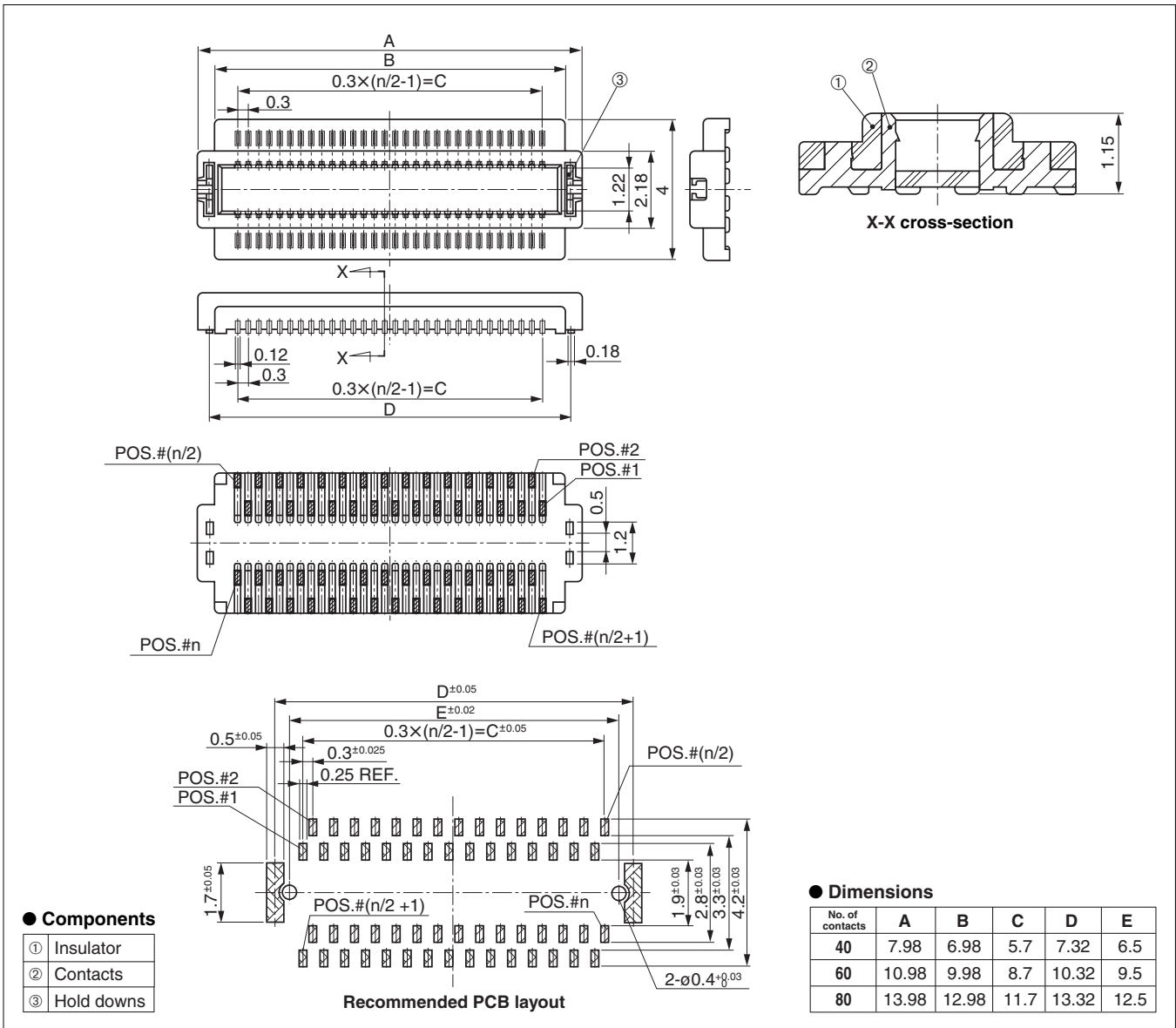
RoHS



● Configuration of product Part No.

## LPY- ( ) SMY 1

- ① Series name
- ② No. of contacts: 40, 60 or 80
- ③ SMY: Straight SMT type, male



Mating connectors: LPY-( )SFY, LPY-EA( )SFY

# Stacking straight SMT type male connector for PCB LPY-B( )SMY1

For PCB or FPC

Straight SMT

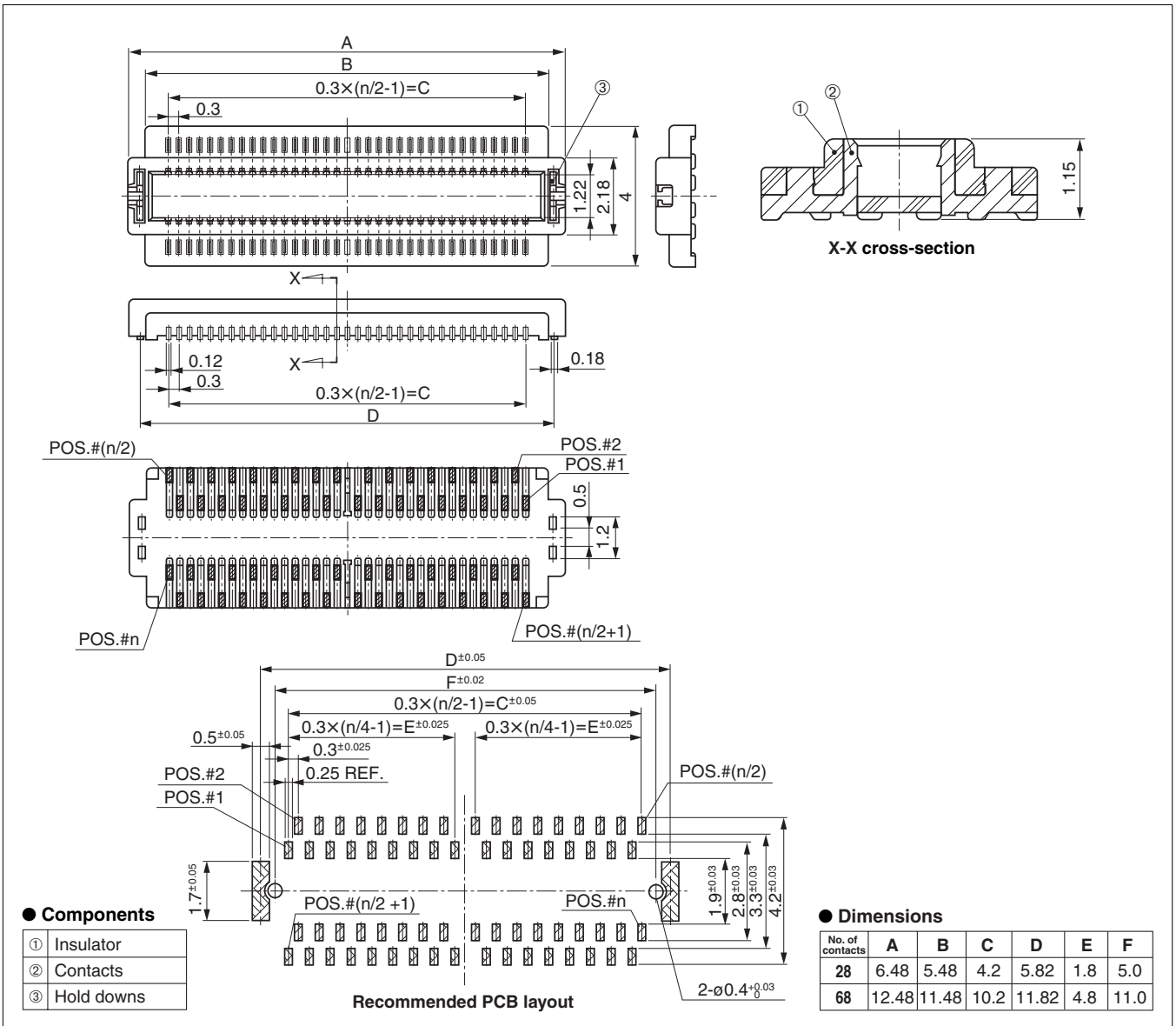
RoHS



● Configuration of product Part No.

## LPY-B( )SMY1

- ① Series name
- ② No. of contacts: 28 or 68
- ③ SMY: Straight SMT type, male



Mating connectors: LPY-B( )SFY, LPY-EB( )SFY

# Stacking straight SMT type female connector for PCB LPY-( )SFY

For PCB or FPC

Straight SMT

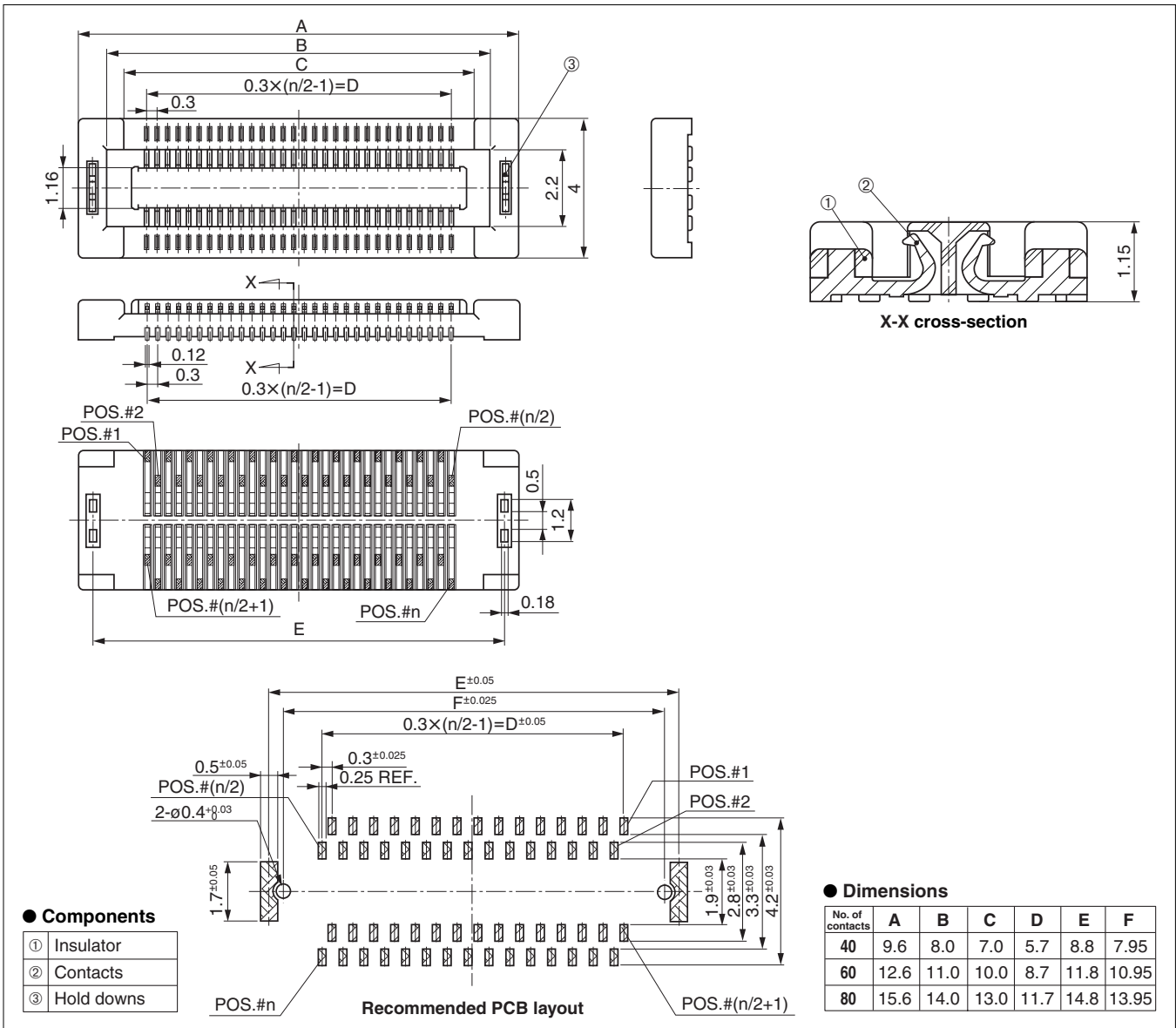
RoHS



● Configuration of product Part No.

## LPY- ( ) SFY

- ① Series name
- ② No. of contacts: 40, 60 or 80
- ③ SFY: Straight SMT type, female



● Components

①	Insulator
②	Contacts
③	Hold downs

● Dimensions

No. of contacts	A	B	C	D	E	F
40	9.6	8.0	7.0	5.7	8.8	7.95
60	12.6	11.0	10.0	8.7	11.8	10.95
80	15.6	14.0	13.0	11.7	14.8	13.95

Mating connectors: LPY-( )SMY1

# Stacking straight SMT type female connector for PCB LPY-B( )SFY

For PCB or FPC

Straight SMT

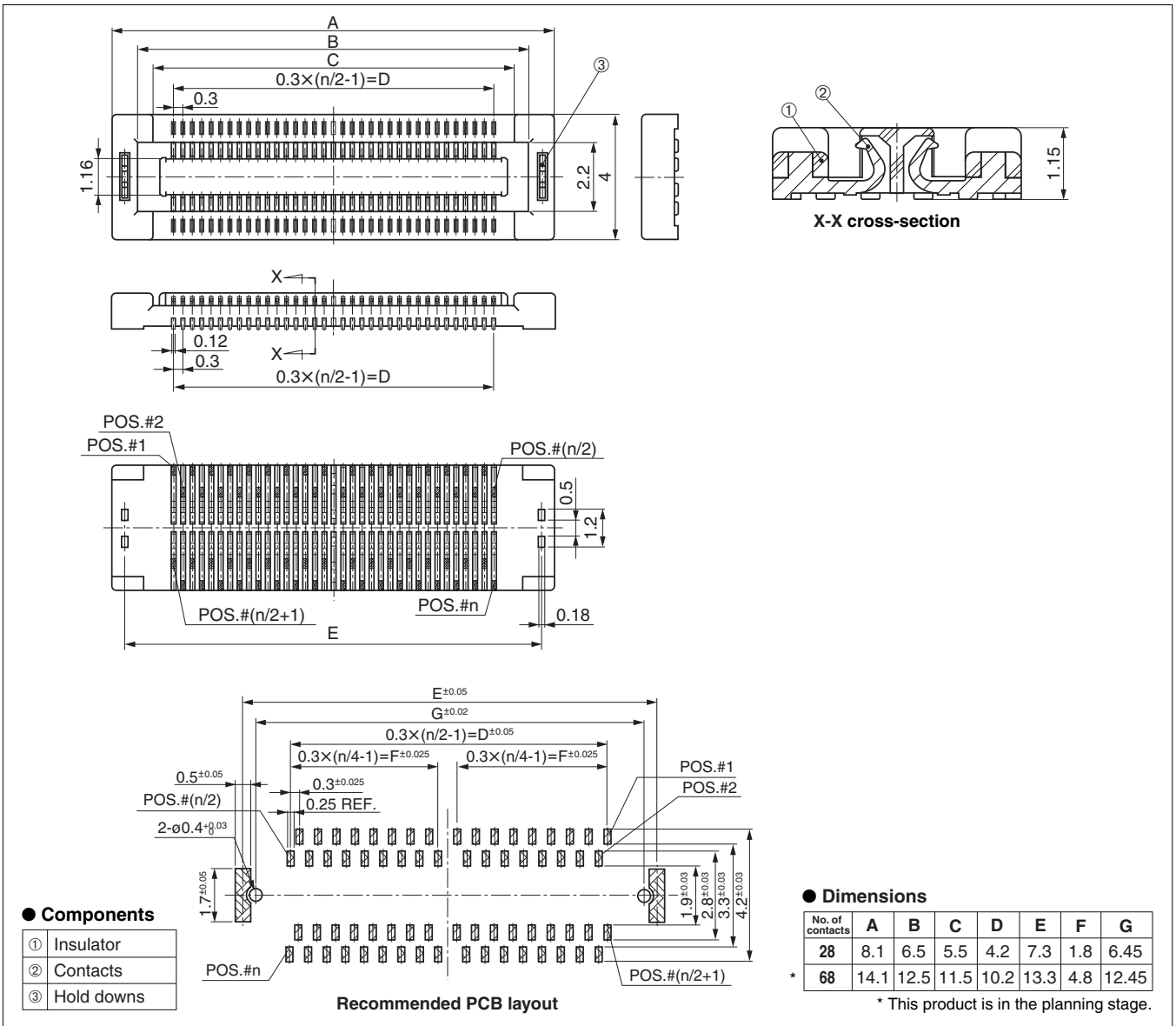
RoHS



● Configuration of product Part No.

## LPY-B( )SFY

- ① Series name
- ② No. of contacts: 28 or 68
- ③ SFY: Straight SMT type, female



Mating connectors: LPY-B( )SMY1

# Stacking straight SMT type female connector for PCB LPY-EA( )SFY

For PCB or FPC

Straight SMT

RoHS

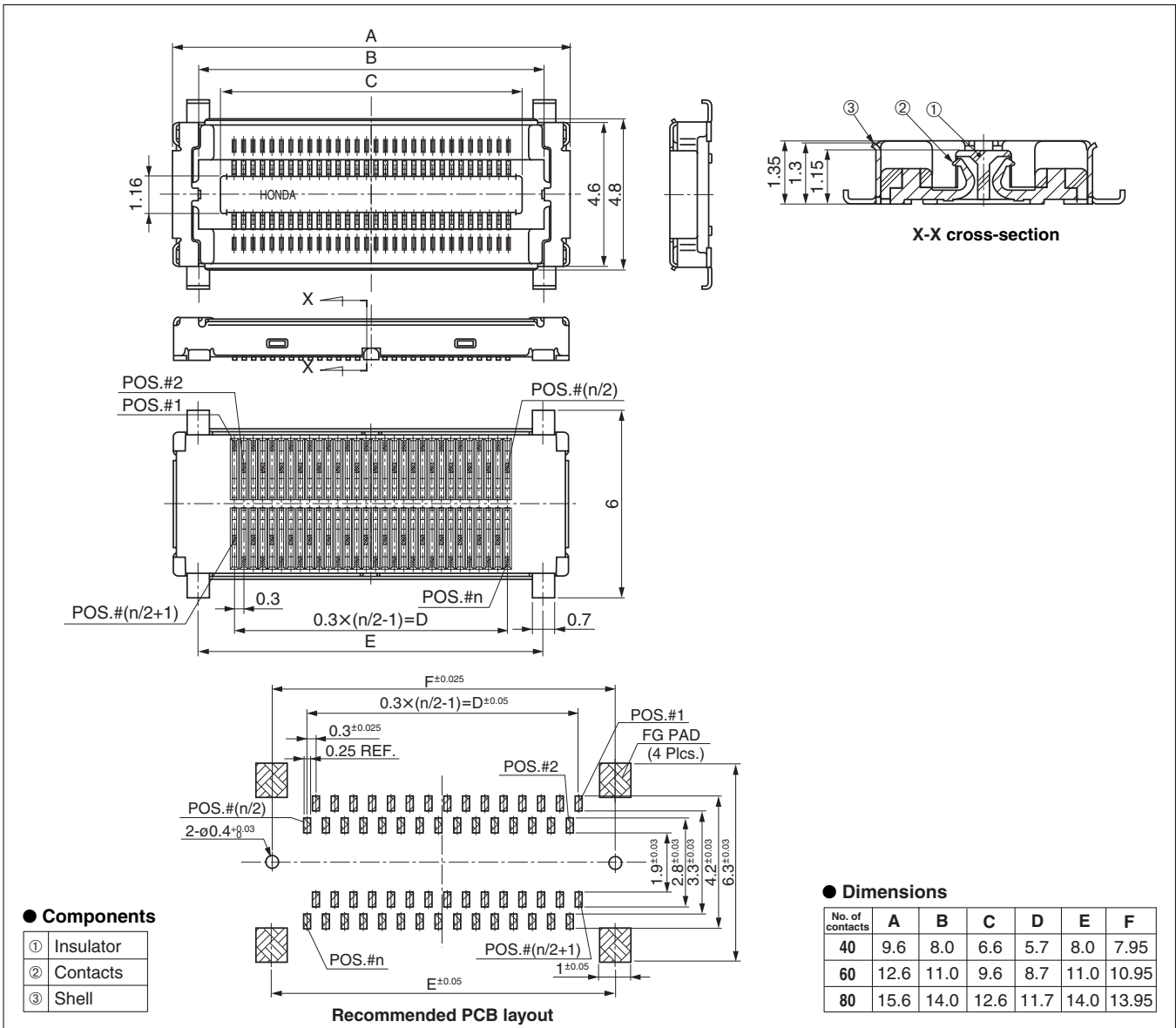
With EMI/ESD-filtered shield



● Configuration of product Part No.

## LPY- EA ( ) SFY

- ① Series name
- ② Shield
- ③ No. of contacts: 40, 60 or 80
- ④ SFY: Straight SMT type, female



Mating connectors: LPY-( )SMY1

Stacking straight SMT type female connector for PCB  
 LPY-EB( )SFY

For PCB or FPC

Straight SMT

RoHS

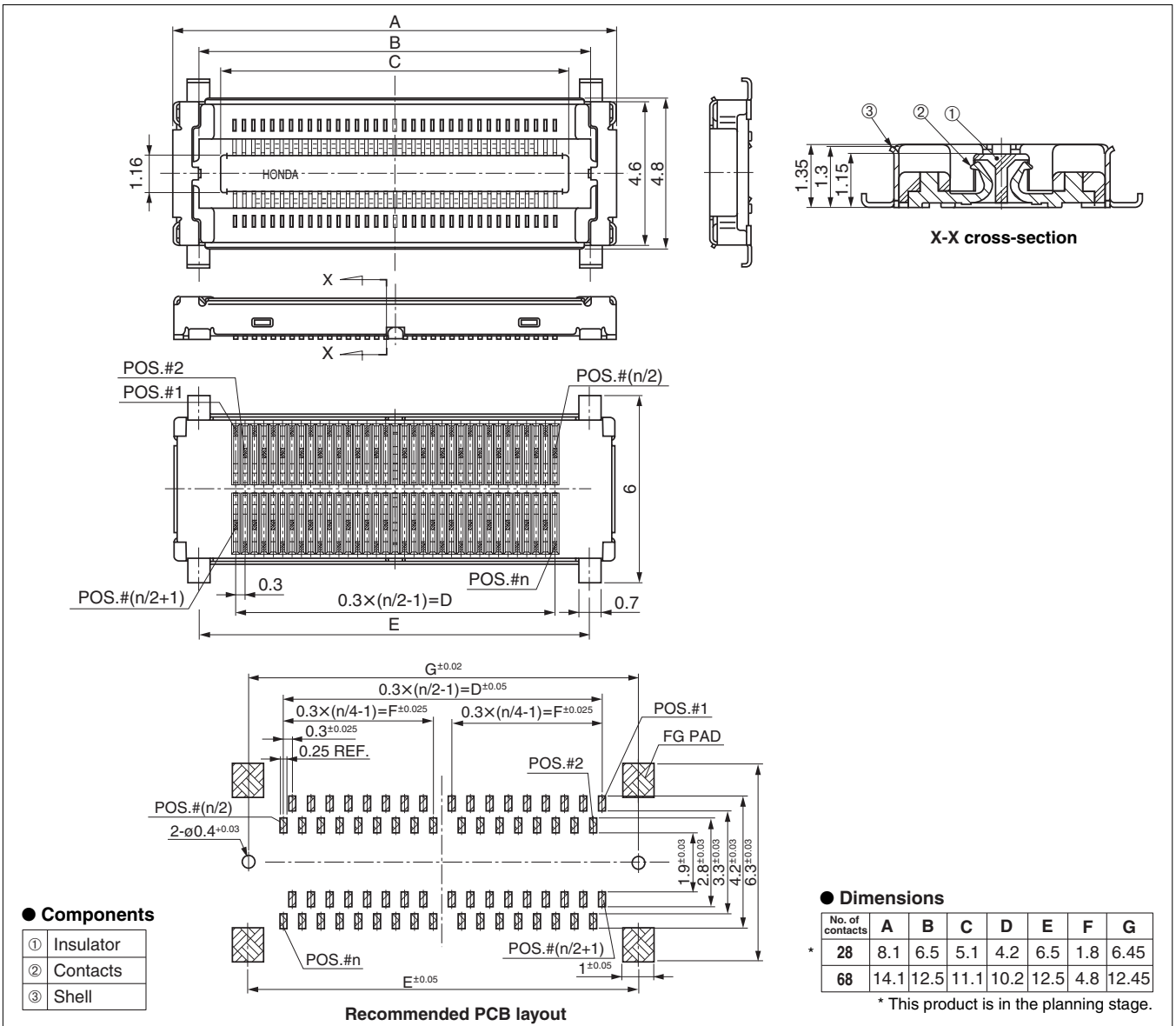
With EMI/ESD-filtered shield



● Configuration of product Part No.

**LPY- EB ( ) SFY**

- ① Series name
- ② Shield
- ③ No. of contacts: 28 or 68
- ④ SFY: Straight SMT type female



Mating connectors: LPY-B( )SMY1