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Part Number: [0353120760](#)
Status: **Active**
Description: 2.50mm (.098") Pitch Header, Vertical, Shrouded, with Positive Lock, 7 Circuits, PA Polyamide (Nylon) 6/6, Glass-filled, Natural, Lead-free

Documents:

3D Model	Product Specification PS-35155-002 (PDF)
Packaging Specification (PDF)	RoHS Certificate of Compliance (PDF)
Drawing (PDF)	

Agency Certification

CSA	LR19980
TUV	E9450420E01
UL	E29179

General

Product Family	PCB Headers
Series	35312
Application	Wire-to-Board
Product Name	N/A

Physical

Breakaway	No
Circuits (Loaded)	7
Circuits (maximum)	7
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.134 In
PC Tail Length (mm)	3.40 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Bag
Pitch - Mating Interface (in)	0.098 In
Pitch - Mating Interface (mm)	2.50 mm
Plating min: Mating (µin)	200
Plating min: Mating (µm)	5
Plating min: Termination (µin)	200
Plating min: Termination (µm)	5
Polarized to PCB	No
Shrouded	Partial
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C

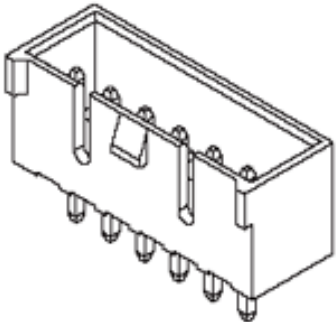


image - Reference only

Series

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Halogen-Free

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

[35312Series](#)

Mates With

Wire-to-Wire and Wire-to-Board Housing
[35572 Crimp Housing](#), [35155](#)

Termination Interface: Style

Through Hole

Electrical

Current - Maximum per Contact

3A

Voltage - Maximum

250V

Material Info

Reference - Drawing Numbers

Product Specification

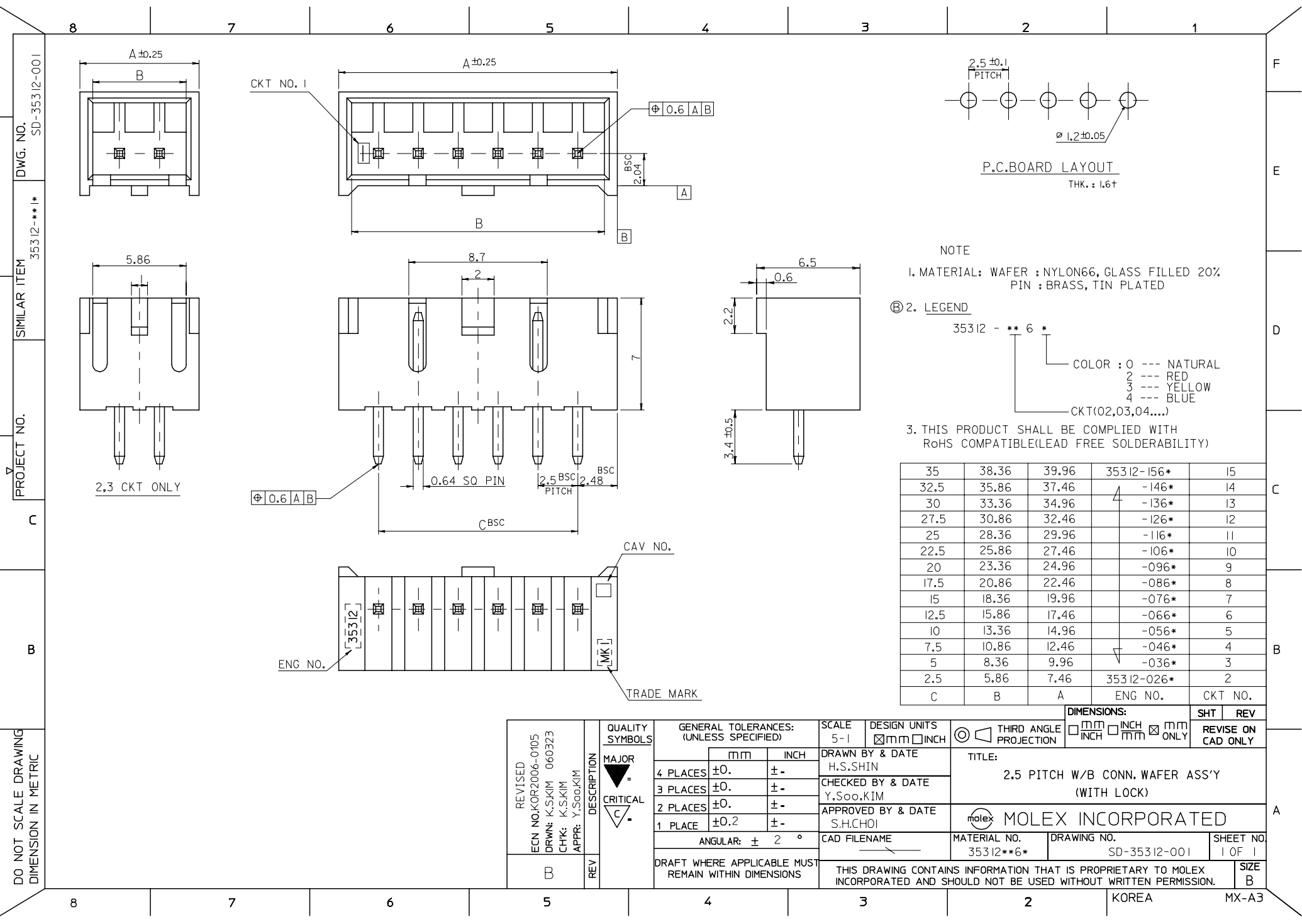
PS-35155-002

Sales Drawing

SD-35312-001, SD-35312-004, SD-35312-005

This document was generated on 03/22/2010

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DO NOT SCALE DRAWING
DIMENSION IN METRIC

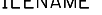
DWG. NO. SD-35312-001		SIMILAR ITEM 35312-***1*		PROJECT NO.		C		B		DO NOT SCALE DRAWING DIMENSION IN METRIC	
8		7		6		5		4		3	
A ±0.25		B		A ±0.25		B		BSC 2.04		A	
2.5 ±0.1 PITCH		Ø 1.2 ±0.05		P.C.BOARD LAYOUT		THK. : 1.6±		NOTE		1. MATERIAL: WAFER : NYLON66, GLASS FILLED 20% PIN : BRASS, TIN PLATED	
5.86		8.7		2		0.64 SQ PIN		2.5 BSC PITCH		2.48	
2,3 CKT ONLY		7		0.6		6.5		2.2		3.4 ±0.5	
Ø 0.6 A B		C BSC		CAV NO.		ENG NO.		TRADE MARK		35312 - ** 6 *	
COLOR : 0 --- NATURAL		2 --- RED		3 --- YELLOW		4 --- BLUE		CKT(02,03,04....)		3. THIS PRODUCT SHALL BE COMPLIED WITH ROHS COMPATIBLE(LEAD FREE SOLDERABILITY)	
35		38.36		39.96		35312-156*		15		32.5	
32.5		35.86		37.46		-146*		14		30	
30		33.36		34.96		-136*		13		27.5	
27.5		30.86		32.46		-126*		12		25	
25		28.36		29.96		-116*		11		22.5	
22.5		25.86		27.46		-106*		10		20	
20		23.36		24.96		-096*		9		17.5	
17.5		20.86		22.46		-086*		8		15	
15		18.36		19.96		-076*		7		12.5	
12.5		15.86		17.46		-066*		6		10	
10		13.36		14.96		-056*		5		7.5	
7.5		10.86		12.46		-046*		4		5	
5		8.36		9.96		-036*		3		2.5	
2.5		5.86		7.46		35312-026*		2		C	
C		B		A		ENG NO.		CKT NO.		35312-001	
TITLE:		2.5 PITCH W/B CONN. WAFER ASS'Y		(WITH LOCK)		MOLEX INCORPORATED		SHT		REV	
DRAWN BY & DATE		H.S.SHIN		CHECKED BY & DATE		Y.Soo.KIM		APPROVED BY & DATE		S.H.CHOI	
CAD FILENAME		MATERIAL NO.		DRAWING NO.		SHEET NO.		1 OF 1		SIZE	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		KOREA		MX-A3		DO NOT SCALE DRAWING DIMENSION IN METRIC		8		7	
REVISED		ECN NO. KOR2006-0105		DRWN: K.S.KIM		CHK: K.S.KIM		APPR: Y.Soo.KIM		B	
MAJOR		CRITICAL		QUALITY SYMBOLS		GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE 5-1		DESIGN UNITS	
4 PLACES		±0.		±.		mm		INCH		THIRD ANGLE PROJECTION	
3 PLACES		±0.		±.		mm		INCH		mm ONLY	
2 PLACES		±0.		±.		mm		INCH		mm ONLY	
1 PLACE		±0.2		±.		mm		INCH		mm ONLY	
ANGULAR: ± 2 °		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.		KOREA		MX-A3		DO NOT SCALE DRAWING DIMENSION IN METRIC	

PROJECT NO.

PROJECT NO.

Technical drawing of a wafer assembly. The drawing shows a top view and a cross-section. The top view is a square with a side length of 8.0. A central square hole has a side length of 6.8. The cross-section shows a total thickness of 14.0. The central hole has a depth of 5.0. The wafer assembly is labeled "353 12-***6*" and "WAFER ASS'Y".

DIMENSIONS:		SHT	REV
☐ mm INCH	☐ INCH mm	☒ mm ONLY	REVISE ON CAD ONLY
PACKING FOR 35312 (S/S C-TV)			
EX INCORPORATED			
DRAWING NO. SD-35312-004		SHEET NO. 1/1	
THIS IS PROPRIETARY TO MOLEX WITHOUT WRITTEN PERMISSION.			SIZE A

NEW RELEASED EC NO. KOR2005-0066 DRWN: K.S.KIM 040722 CHK: Y.Soo.KIM APPR: C.W.LEE	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE 5-1	DESIGN UNITS ☒ mm ☐ INCH	THIRD ANGLE PROJECTION 		☐ mm INCH	☐ INCH mm	☒ mm ONLY	REVISE ON CAD ONLY	
		<div>MAJOR  =</div> <div>CRITICAL  =</div>		mm	INCH	DRAWN BY & DATE K.S.KIM		TITLE: PACKING FOR 35312 (S/S C-TV)					
			4 PLACES	±0.	±.	CHECKED BY & DATE Y.Soo.KIM							
			3 PLACES	±0.	±.	APPROVED BY & DATE C.W.LEE		molex MOLEX INCORPORATED					
			2 PLACES	±0.	±.	CAD FILENAME 							MATERIAL NO. 35312-***68
		1 PLACE	±0.3	±.	ANGULAR: ± 2 °								
A	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.							SIZE A

1

Technical drawing of a mechanical part, likely a bracket or support. The drawing shows a top view with dimensions in millimeters (mm). The overall width is 13.6 mm, and the overall height is 8.1 mm. The part has a central rectangular cutout with a width of 4.2 mm and a height of 3.1 mm. The drawing includes a dashed line indicating a hidden edge or feature. A dimension line indicates a distance of 4.2 mm from the left edge to the center of the cutout. Another dimension line indicates a distance of 3.1 mm from the bottom edge to the center of the cutout. The overall width is 13.6 mm, and the overall height is 8.1 mm.

1. TUBE LENGTH : 550mm
2. TUBE THICKNESS : 0.8mm
3. THIS PRODUCT SHALL BE COMPLIED WITH
RoHS COMPATIBLE(LEAD FREE SOLDERABILITY)

10	35312-1569	15	35312 SERIES
10	4 - 1469	14	
10	- 1369	13	
15	- 1269	12	
15	- 1169	11	
15	- 1069	10	
20	- 0969	9	
20	- 0869	8	
25	- 0769	7	
30	- 0669	6	
35	- 0569	5	
40	- 0469	4	
50	- 0369	3	
70	35312-0269	2	
Q'TY	ENG NO.	CKTS	USED ON

NEW RELEASED EC NO. KOR2005-0066 DRWN: K.S.KIM 041008 CHK: Y.Soo.KIM APPR: C.W.LEE	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE 5-1	DESIGN UNITS ☒ mm ☐ INCH	THIRD ANGLE PROJECTION	☐ mm INCH ☐ INCH mm ☒ mm ONLY	REVISE ON CAD ONLY	
		MAJOR 		mm	INCH	DRAWN BY & DATE H.S.SHIN	TITLE: TUBE PACKAGED FOR 35312 SERIES			
		CRITICAL 				CHECKED BY & DATE Y.Soo.KIM				
			4 PLACES	±0.	±.	APPROVED BY & DATE C.W.LEE	MOLEX INCORPORATED			
			3 PLACES	±0.	±.	CAD FILENAME _____				
			2 PLACES	±0.	±.					
	1 PLACE	±0.3	±.							
		ANGULAR: ± 2 °								
A	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.				SIZE A

F

PK3532.DGN