

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **0359781210**  
**Status:** **Planned for Obsolescence**  
**Description:** 3.96mm (.156") Pitch Wire-to-Board Header, Vertical, Low Profile, 12 Circuits, Natural, Nylon

**Documents:**

[3D Model](#) [Product Specification PS-35978-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980

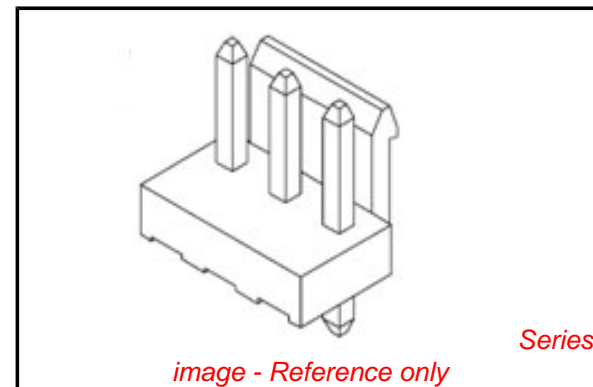
**General**

Product Family PCB Headers  
 Series 35978  
 Application Wire-to-Board  
 Product Name MV-396™

**Physical**

Breakaway No  
 Circuits (Loaded) 12  
 Circuits (maximum) 12  
 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 - Metal Brass  
 Material - Plating Mating Tin  
 Material - Plating Termination Tin-Lead  
 Material - Resin Nylon  
 Number of Rows 1  
 Orientation Vertical  
 PC Tail Length (in) 0.146 In  
 PC Tail Length (mm) 3.70 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) 0.156 In  
 Pitch - Mating Interface (mm) 3.96 mm  
 Pitch - Term. Interface (in) 0.156 In  
 Pitch - Term. Interface (mm) 3.96 mm  
 Polarized to Mating Part No  
 Polarized to PCB No  
 Shrouded No  
 Stackable Yes  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating -25°C to +85°C  
 Termination Interface: Style Through Hole

**Electrical**



**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](mailto: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**

35978Series

**Mates With**

35977 Wire-to-Board Housing

Current - Maximum per Contact  
Voltage - Maximum

7A  
250V

**Material Info**

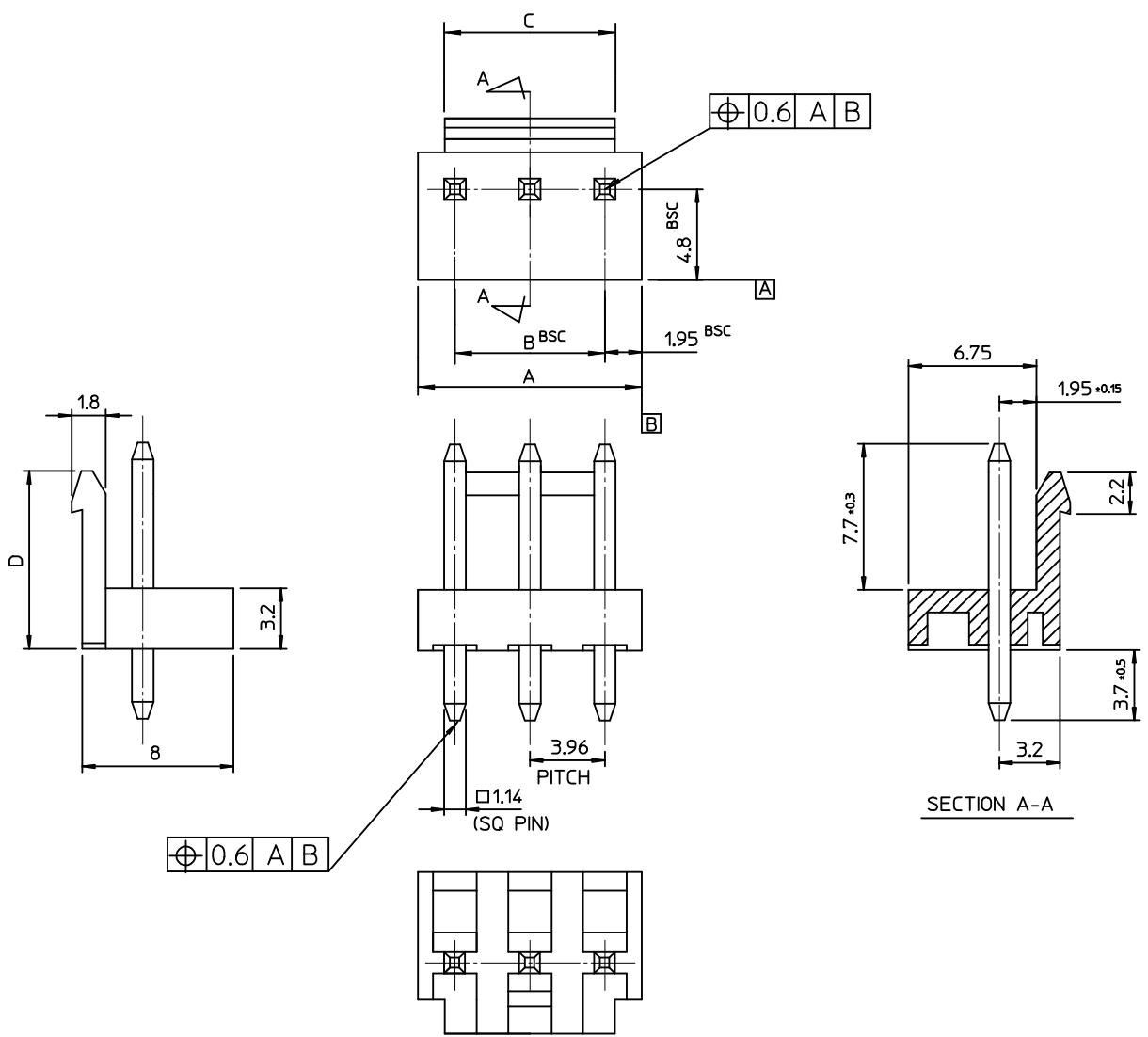
**Reference - Drawing Numbers**

Packaging Specification  
Product Specification  
Sales Drawing

PK-35978-001  
PS-35978-001  
SD-35978-001

This document was generated on 06/07/2010

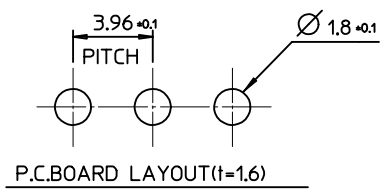
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NOTES  
 1. MATERIAL : HEADER : PA66, ①PC/PET  
 PIN : BRASS(CDA 2700)  
 2. FINISHES : PIN  
 THICKNESS - TIN PLATED 3.0 MICROMETER MIN.  
 OVER Cu 1.5 MICROMETER MIN.  
 3. PRODUCT SPECIFICATION : PS-35978-001

LEGEND  
 35978-\*\*\*\*  
 COLOR : 0 - WHITE  
 1 - BLACK  
 2 - RED  
 3 - YELLOW  
 4 - BLUE  
 MATERIAL 1 : PA66 ①3 : PC/PET  
 CURCUIT NO. (02,03,04...)

9.4	56.50	55.44	59.40	3597815**	35978-15**	15
	52.54	51.48	55.44	3597814**	-14**	14
	48.58	47.52	51.48	3597813**	-13**	13
	44.62	43.56	47.52	3597812**	-12**	12
9.7	40.66	39.60	43.56	3597811**	-11**	11
	36.70	35.64	39.60	3597810**	-10**	10
	32.74	31.68	35.64	3597809**	-09**	9
	28.78	27.72	31.68	3597808**	-08**	8
	24.84	23.76	27.72	3597807**	-07**	7
	20.86	19.80	23.76	3597806**	-06**	6
	16.90	15.84	19.80	3597805**	-05**	5
	12.94	11.88	15.84	3597804**	-04**	4
	8.98	7.92	11.88	3597803**	-03**	3
	5.02	3.96	7.92	3597802**	-02**	2
D	C	B	A	MAT'L NO	ENG NO.	CURCUITS



REVISED ECT NO: KOR2009-0137 DRWN: JHPARK01 2009/05/21 CHKD: WY. YANG 2009/05/21 APPR: YUNSIKKIM 2009/05/22	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± 0.30 ± --- ANGULAR ± 2 °	DIMENSION STYLE MM ONLY	SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	DESCRIPTION	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY Y.R. WI DATE 1999/05/07	TITLE 3.96 W/B HEADER ASSY		
	REV	APPROVED BY C.W. LEE DATE 1999/05/07	MATERIAL NO. SEE TABLE	MOLEX INCORPORATED		SHEET NO. 1 OF 01
		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			