

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0877159910

Status:

Active

Overview:

Description:

1.00mm (.039") Pitch, PCI Express* Connector, 98 Circuits, Nylon 4/6 Glass-filled, Black Housing, Copper Alloy, 0.76µm (30µ") Gold (Au) Plating, with Beveled Metal Pins, 2.54mm (.100") Solder tail, Lead Free

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

Edge Card Connectors

Series

87715

Comments

PCI 8 lanes

Component Type

Edgecard to PCB

Overview

pci_express_card_edge_connector

Product Name

PCI Express*

Physical

Circuits (Loaded)

98

Circuits (maximum)

98

Circuits Detail

All Signal

Durability (mating cycles max)

50

Entry Angle

Vertical (Top Entry)

Flammability

94V-0

Keying to Mating Part

Yes

Material - Plating Mating

Gold

Material - Plating Termination

Tin

PC Tail Length (in)

0.100 In

PC Tail Length (mm)

2.54 mm

PCB Locator

Yes

PCB Retention

Yes

PCB Thickness Recommended (in)

0.062 In

PCB Thickness Recommended (mm)

1.60 mm

Packaging Type

Tray

Pitch - Mating Interface (in)

0.039 In

Pitch - Mating Interface (mm)

1.00 mm

Pitch - Term. Interface (in)

0.039 In

Pitch - Term. Interface (mm)

1.00 mm

Plating min: Mating (µin)

30

Plating min: Mating (µm)

0.76

Plating min: Termination (µin)

100

Plating min: Termination (µm)

2.50

Polarized to Mating Part

Yes

Temperature Range - Operating

-55°C to +85°C

Termination Interface: Style

Through Hole

Electrical

Current - Maximum per Contact

1.1A

Voltage - Maximum

50V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Packaging Specification

PK-87715-204

Product Specification

PS-87715-200

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

87715Series

Mates With

PCI Express Card

Sales Drawing
Test Summary

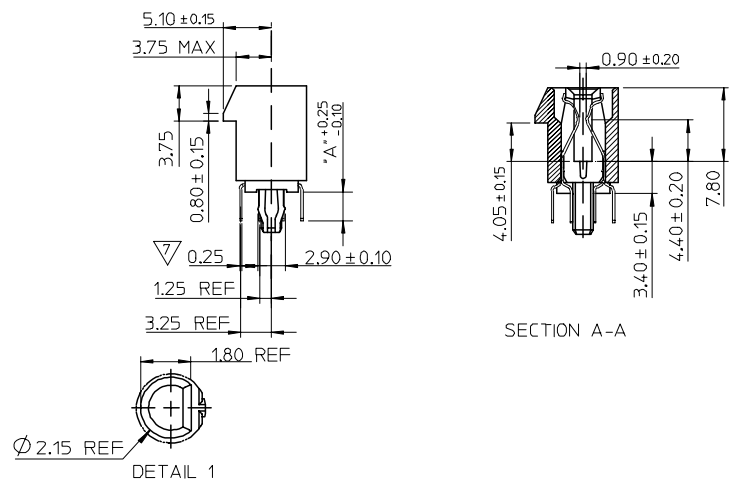
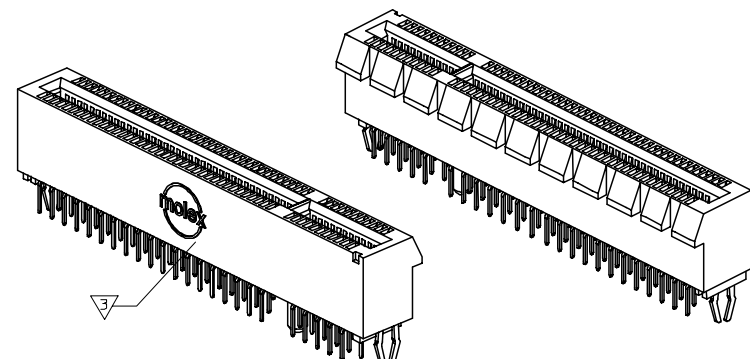
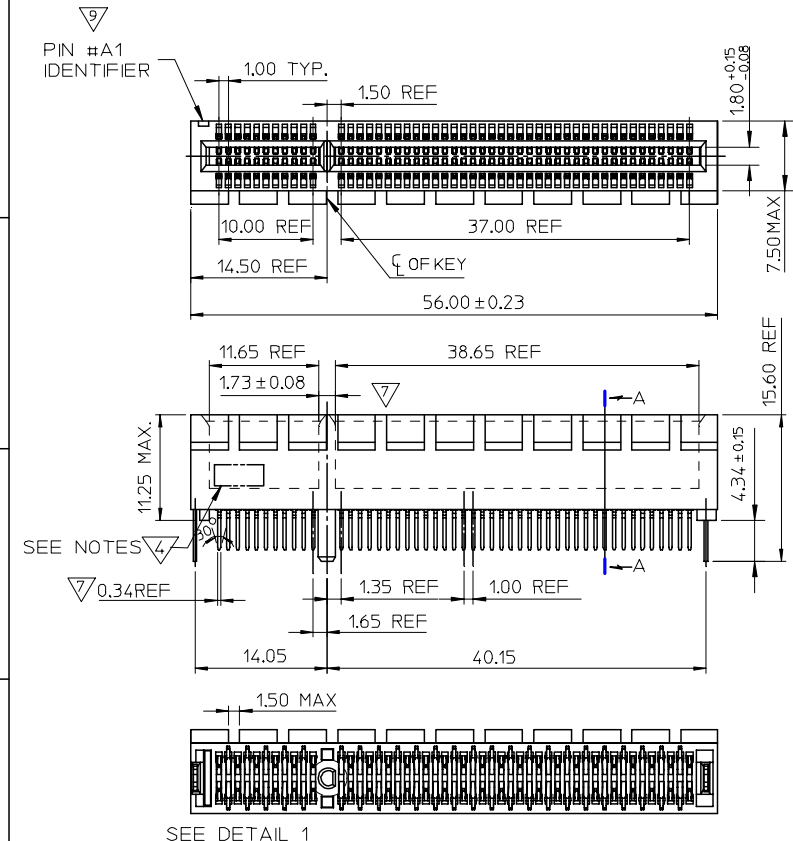
SD-87715-210
TS-87715-210

* PCI Express is a registered trademark of PCI-SIG®

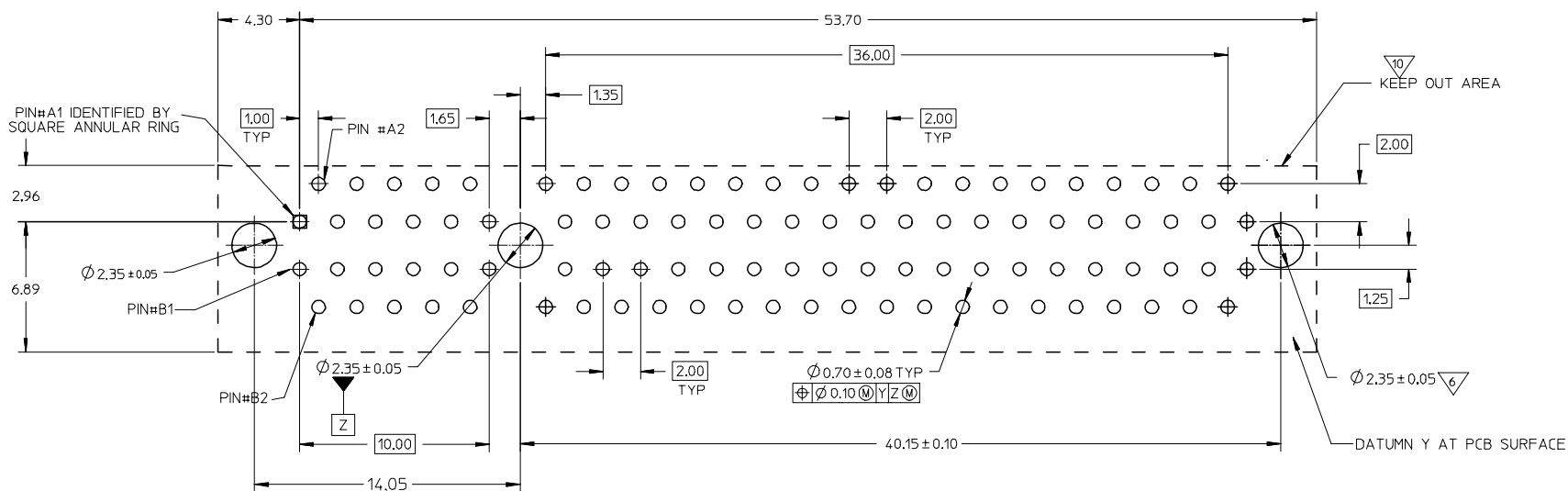
This document was generated on 06/04/2010

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10	9	8	7	6	5	4	3	2	1
PART NUMBER	DIM A	CONTACT AREA PLATING OPTION	SOLDER TAIL PLATING	PORT SIZE	TOTAL CKTS SIZE				
87715-9910	2.54	30 MICROINCH GOLD PLATED	100 MICROINCH MIN TIN OVER NICKEL PLATED OVERALL	8	98				
87715-9911	3.00	30 MICROINCH GOLD PLATED	100 MICROINCH MIN TIN OVER NICKEL PLATED OVERALL	8	98				



NEW RELEASED EC NO: SH2006-0549 DRWN:ALLIN 2006/05/15 CHKD: 2006/05/15 APPR:WWSCHANG 2006/05/17	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY KEN LEE	DATE 2006/03/22	TITLE PCI EXPRESS X8 (98 CKTS) VERT DIP WITH BOARD LOCK (LEAD FREE VERSION)	molex MOLEX INCORPORATED	
			4 PLACES	± ---	± ---	CHECKED BY ALLEN LIN	DATE 2006/03/22			
			3 PLACES	± ---	± ---	APPROVED BY WILSON CHANG	DATE 2006/03/22			
			2 PLACES	± 0.25	± ---	MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-87715-210	SHEET NO. 1 OF 3	
			1 PLACE	± 0.25	± ---	SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
			ANGULAR ± 3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					



NOTES:

- MATERIALS: HOUSING - HIGH TEMPERATURE THERMOPLASTIC, GLASS FIBER FILLED, UL 94-V0 (BLACK)
TERMINAL - COPPER ALLOY
- PLATING: CONTACT AREA - SEE TABLE IN SHEET 1
SOLDER TAILS - SEE TABLE IN SHEET 1
UNDERPLATING - SEE TABLE IN SHEET 1

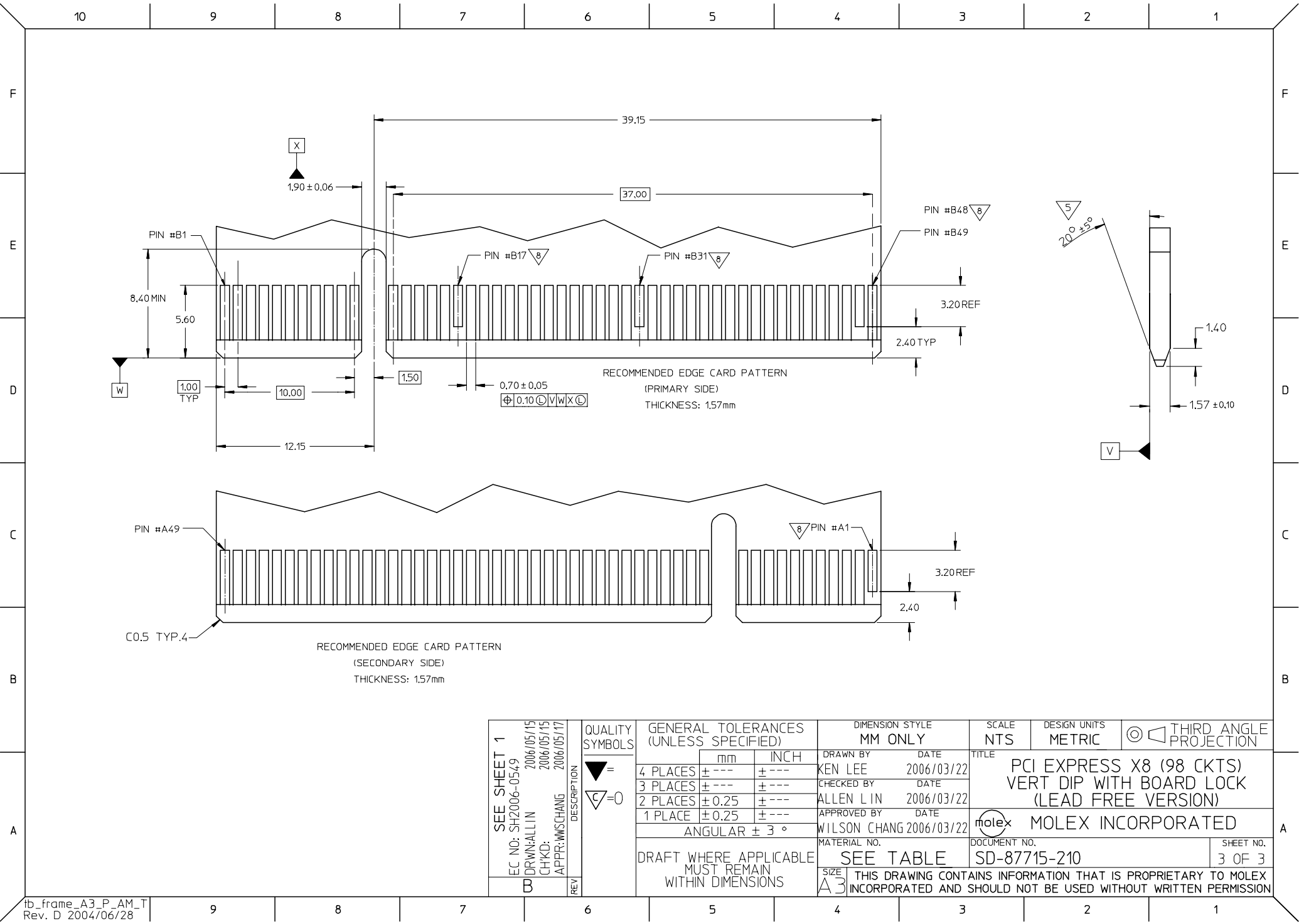
RECOMMENDED P.C.B. PATTERN (CONNECTOR SIDE)

THICKNESS: 1.57mm FOR 2.54mm SOLDER TAIL LENGTH
2.35mm FOR 3.00mm SOLDER TAIL LENGTH

- MOLEX LOGO
- DATE CODE - TO BE PRINTED
- CHAMFER EDGES OF EDGE CARD MUST BE FREE OF CUTTING BURRS
- THE HORIZONTAL AXIS FOR THE FOOTPRINT HOLE PATTERN IS ESTABLISHED BY A LINE THROUGH THE CENTRE OF THE TWO Ø 2.35 HOLES. THE VERTICAL AXIS IS 90° TO THE HORIZONTAL AXIS, THROUGH THE CENTRE OF DATUM Z
- FEATURES DESIGNED TO FUNCTIONALLY MATE/MOUNT(SLIP FIT) PER THE RECOMMENDED EDGE CARD AND PCB PATTERN.
- PINS FOR HOT PLUG PRESENCE DETECTION. NO TIE BAR PERMITTED FROM CARD EDGE TO LEADING EDGE OF PAD FOR THE HOT PLUG PINS.
- PIN #1 IDENTIFIER
- KEEP OUT AREA - NO EXTERNAL COMPONENTS ALLOWED ON PCB SURFACE

- PRODUCT SPECIFICATION REFER TO PS-87715-200.
- PACKAGE SPECIFICATION REFER TO PK-87715-204.
- TEST SUMMARY: REFER TO TS-87715-210.
- LEAD FREE AND RoHS COMPLIANT PRODUCT.

SEE SHEET 1 EC NO: SH2006-0549 DRWN:ALLIN 2006/05/15 CHKD: 2006/05/15 APPR:WWSCHANG 2006/05/17	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
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				2 PLACES	± 0.25	± ---	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-87715-210				
				1 PLACE	± 0.25	± ---	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
ANGULAR ± 3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										



SEE SHEET 1 EC NO: SH2006-0549 2006/05/15 DRWN:ALLIN 2006/05/15 CHKD: APPR:WWSCHANG 2006/05/17	QUALITY SYMBOLS ▽= ▽C=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
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			2 PLACES	± 0.25	± ---	APPROVED BY	DATE	MOLEX MOLEX INCORPORATED				
1 PLACE	± 0.25	± ---	WILSON CHANG	2006/03/22								
B	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
					SEE TABLE		SD-87715-210		3 OF 3			
					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: ocean@oceanchips.ru

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А