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Part Number: [0746952602](#)
Status: **Active**
Overview: [vhdm__hsd](#)
Description: 2.00mm (.079") Pitch 5-Row VHDM-HSD™ Backplane Header, Guide Pin Signal Module, Open End Version, Advanced Mate Shield, 100 Circuits, Pin Length 6.25mm (.246")

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

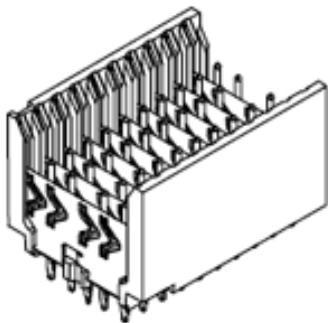
CSA LR19880

General

Product Family Backplane Connectors
Series [74695](#)
Application Backplane
Application Tooling Documents Tooling Manual
Comments Open Header
Component Type PCB Header
Overview [vhdm__hsd](#)
Product Name VHDM-HSD™
Style N/A

Physical

Circuits (Loaded) 100
Circuits (maximum) 100
Color - Resin Black
Durability (mating cycles max) 200
First Mate / Last Break No
Flammability 94V-0
Guide to Mating Part No
Keying to Mating Part None
Material - Metal High Performance Alloy (HPA)
Material - Plating Mating Gold
Material - Plating Termination Tin-Lead
Material - Resin High Temperature Thermoplastic
Number of Columns 25
Number of Pairs Open Pin Field
Number of Rows 5
Orientation Vertical
PCB Retention None
PCB Thickness Recommended (in) 0.070 In
PCB Thickness Recommended (mm) 1.80 mm
Packaging Type Tube
Pitch - Mating Interface (in) 0.079 In
Pitch - Mating Interface (mm) 2.00 mm
Plating min: Mating (µin) 30
Plating min: Mating (µm) 0.75
Plating min: Termination (µin) 30
Plating min: Termination (µm) 0.75
Polarized to PCB Yes
Surface Mount Compatible (SMC) Yes
Temperature Range - Operating -55°C to +105°C
Termination Interface: Style Through Hole - Compliant Pin



Series

image - Reference only

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

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

[74695Series](#)

Mates With

[74670 HSD Daughtercard](#)

Application Tooling | FAQ

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

Description	Product #
VHDM® 5 Row Pin and Shield Repair Tool	0622015810
VHDM® 5 Row Shield Extraction Tool	0622016010
VHDM-HSD™ Signal Header, 5 Row by 25 Wide, 50.00mm (1.97")	0622020202

Electrical

Current - Maximum per Contact	1A
Data Rate	5.0 Gbps
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC

Material Info

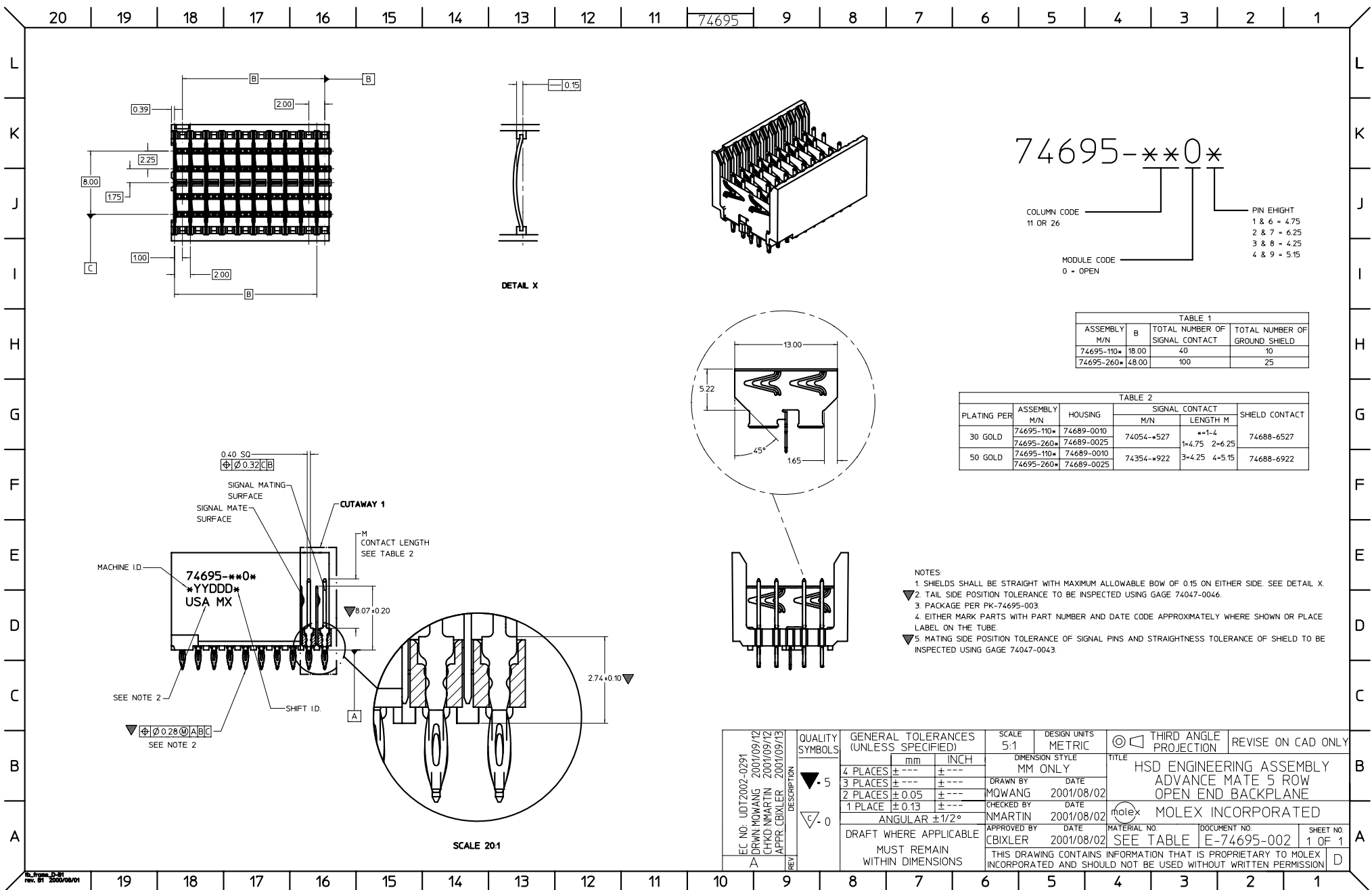
Reference - Drawing Numbers

Packaging Specification	PK-74695-003
Sales Drawing	E-74695-002, SD-74695-003

VHDM-HSD is a trademark of Amphenol Corporation

This document was generated on 06/08/2010

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74695-**-0*

COLUMN CODE
11 OR 26

PIN HEIGHT
1 & 6 = 4.75
2 & 7 = 6.25
3 & 8 = 4.25
4 & 9 = 5.15

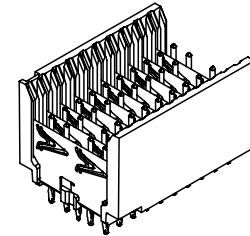
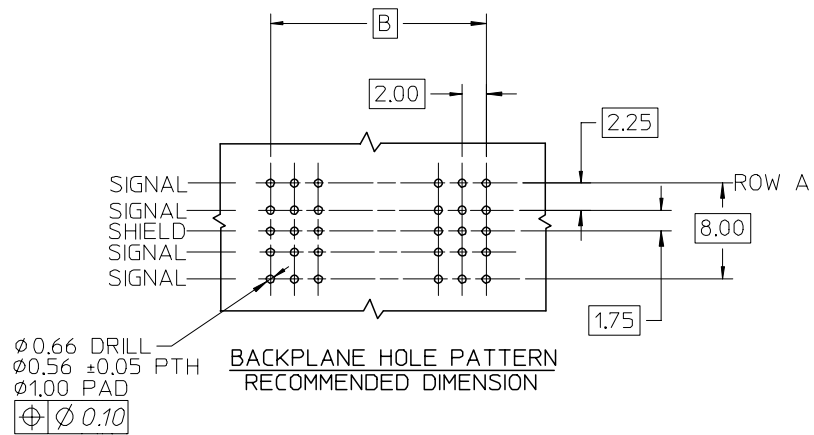
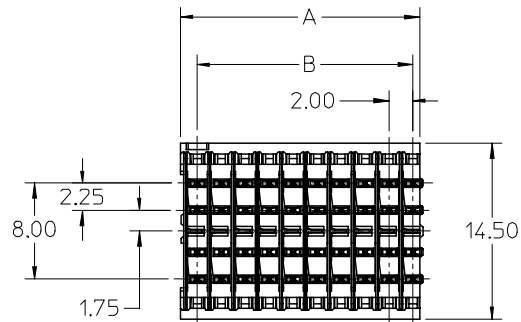
MODULE CODE
0 = OPEN

TABLE 1			
ASSEMBLY M/N	B	TOTAL NUMBER OF SIGNAL CONTACT	TOTAL NUMBER OF GROUND SHIELD
74695-110*	18.00	40	10
74695-260*	48.00	100	25

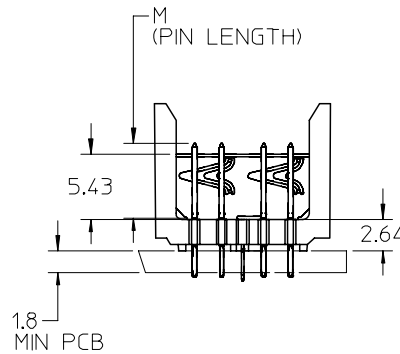
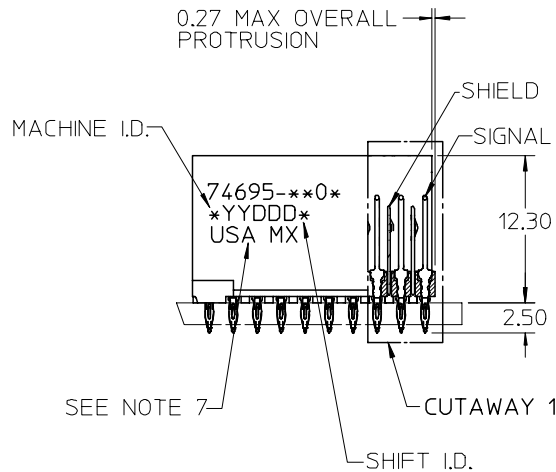
TABLE 2					
PLATING PER	ASSEMBLY M/N	HOUSING	SIGNAL CONTACT		SHIELD CONTACT
			M/N	LENGTH M	
30 GOLD	74695-110*	74689-0010	74054-*	527	74688-6527
	74695-260*	74689-0025	74054-*	527	
50 GOLD	74695-110*	74689-0010	74354-*	922	74688-6922
	74695-260*	74689-0025	74354-*	922	

- NOTES:
- 1. SHIELDS SHALL BE STRAIGHT WITH MAXIMUM ALLOWABLE BOW OF 0.15 ON EITHER SIDE. SEE DETAIL X.
 - 2. TAIL SIDE POSITION TOLERANCE TO BE INSPECTED USING GAGE 74047-0046.
 - 3. PACKAGE PER PK-74695-003.
 - 4. EITHER MARK PARTS WITH PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN OR PLACE LABEL ON THE TUBE.
 - 5. MATING SIDE POSITION TOLERANCE OF SIGNAL PINS AND STRAIGHTNESS TOLERANCE OF SHIELD TO BE INSPECTED USING GAGE 74047-0043.

EC NO: UDT2002-0291 DRAWN MOWANG 2001/09/12 CHKD NMARTIN 2001/09/12 APPR CBXLER 2001/09/13 REV: A	QUALITY SYMBOLS 5 0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	REVISE ON CAD ONLY	
			mm	INCH	DIMENSION STYLE MM ONLY			TITLE HSD ENGINEERING ASSEMBLY ADVANCE MATE 5 ROW OPEN END BACKPLANE	
			4 PLACES ±---	±---	DRAWN BY MOWANG	DATE 2001/08/02		MOLEX MOLEX INCORPORATED	
			3 PLACES ±---	±---	CHECKED BY NMARTIN	DATE 2001/08/02			
			2 PLACES ±0.05	±---	APPROVED BY CBXLER				
1 PLACE ±0.13	±---	ANGULAR ±1/2°		MATERIAL NO. SEE TABLE	DOCUMENT NO. E-74695-002	SHEET NO. 1 OF 1			
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				



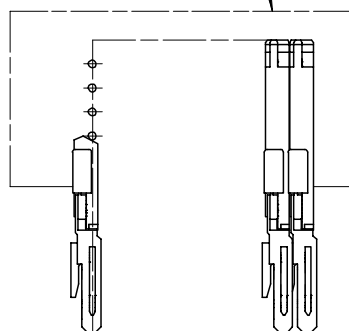
0.27 MAX OVERALL
PROTRUSION



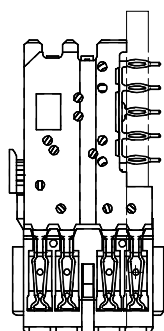
NOTES:

1. MATERIAL: HOUSING -LIQUID CRYSTAL POLYMER (LCP).
GLASS-FILLED. UL94 V-0. COLOR: BLACK.
SIGNAL & SHIELD -COPPER ALLOY.
2. FINISHES: SELECTIVE GOLD (Au) ON CONTACT AREA, SELECTIVE
TIN/LEAD (Sn/Pb) ON TAILS, NICKEL (Ni) OVERALL.
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION
PS-74031-999.
4. FOR MIXED CONTACT MATING LENGTHS CONSULT MOLEX FOR
AVAILABILITY.
5. FOR SPECIFIC PART NUMBER AND MATING INFORMATION REFER TO
SHEET 2.
6. PACKAGE PER PK-74695-003.
7. EITHER MARK PART NUMBER AND DATE CODE APPROXIMATELY
WHERE SHOWN OR PLACE LABEL ON THE TUBE.

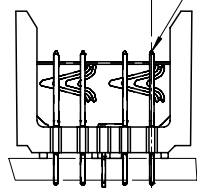
REVISED - PLATING NOTE EC NO: UCP2005-2161 DRWN: JINGHAM 2005/04/07 CHKD: 2005/04/07 APPR: CBXLER 2005/04/08	QUALITY SYMBOLS ▽ = 0 ▽C = 0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 2.5:1	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	REVISE ON CAD ONLY	
					DIMENSION STYLE MM ONLY			TITLE		
			mm		INCH		DRAWN BY MQWANG		DATE 2001/10/04	
			4 PLACES ± --- ± ---		3 PLACES ± --- ± ---		CHECKED BY NMARTIN		DATE 2001/10/05	
			2 PLACES ± --- ± ---		1 PLACE ± --- ± ---		APPROVED BY CBXLER		DATE 2001/10/08	
C	REV		ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
			DRAFT WHERE APPLICABLE		SEE SHEET 2		SD-74695-003		1 OF 2	
			MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					B



0.75 TOP ———●
DAUGHTERCARD
PCB TO CENTER
OF ROW A



-ROW A



5		4		3		2		74695	
PART NUMBER	COLUMN	NUMBER OF SIGNALS	NUMBER OF SHIELDS	A	B	M	Au (um) THICKNESS	Sn (um) THICKNESS	
74695-1101	10	40	10	20.00	18.00	4.75	0.76	0.76-1.52	
74695-1106							1.27		
74695-2601	25	100	25	50.00	48.00		0.76		
74695-2606							1.27		
74695-1102	10	40	10	20.00	18.00	6.25	0.76		
74695-1107							1.27		
74695-2602	25	100	25	50.00	48.00		0.76		
74695-2607							1.27		
74695-1103	10	40	10	20.00	18.00	4.25	0.76		
74695-1108							1.27		
74695-2603	25	100	25	50.00	48.00		0.76		
74695-2608							1.27		
74695-1104	10	40	10	20.00	18.00	5.15	0.76		
74695-1109							1.27		
74695-2604	25	100	25	50.00	48.00		0.76		
74695-2609							1.27		

SEE SHEET 1 EC NO: UCP2005-2161 DRAWN: JINGHAM 2005/04/07 CHK'D: 2005/04/07 APPR: CBIXLER 2005/04/08	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 2.5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	REVISE ON CAD ONLY		
		 0  0		mm	INCH	DIMENSION STYLE MM ONLY		TITLE HSD SALES ASSEMBLY 5 ROW ADVANCED MATE OPEN END BACKPLANE		
			4 PLACES	± ---	± ---	DRAWN BY DATE				
			3 PLACES	± ---	± ---	MQWANG 2001/10/04				
			2 PLACES	± ---	± ---	CHECKED BY DATE				
			1 PLACE	± ---	± ---	NMARTIN 2001/10/05		 MOLEX INCORPORATED		
		ANGULAR ±1/2°		APPROVED BY DATE		MATERIAL NO.	DOCUMENT NO.			
REV		DRAFT WHERE APPLICABLE		CBIXLER 2001/10/08		SEE TABLE	SD-74695-003	2 OF 2		
		MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						B



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

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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