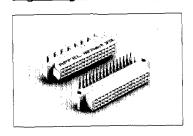
APFEL

DIN 41612 EUROCARD CONNECTORS

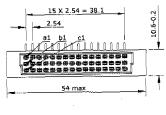
Right Angle Female Type Half R Connectors-Inversed



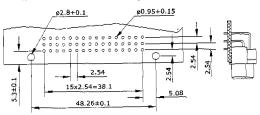
Option:

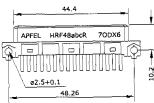
- Connector with pre-installed snap-in mounting clips.
- Variations
- Please refer to page 33 for complete part number coding.
- Other variations, please consult factory.

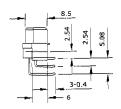
Dimensions



Recommended P.C.B. layout







Ordering Information

Number of contacts	Rows/Positions with Contact	Class3 Angled solder	Class2 Angled solder	Pitch
32	a+c	HRF32ac R	HRF32ac R-2	
32	a+b	HRF32ab R	HRF32ab R-2	
16	a	HRF16a R	HRF16a R-2	
24	a+b+c	HRF24abc R	HRF24abc R-2	5.08mm half-loaded
	All even no.			
16	a+c	HRF16ac R	HRF16ac R-2	
	All even no.			

Dimensions shown are for reference purpose only. All dimensions are in millimeters unless otherwise specified.

Apfel-Europe (a division of Westfield Distribution Ltd) (E&OE)

TEL: +44(0)1488 685183 E-mail: sales@apfel.co.uk FAX: +44(0)1488 685430 Disclaimer – Due to technical progress, all designs, specifications, data sheets and components are subject to change without

Discussion — The to technical progress, and assigns, specifications, taken success and components are starged to change winout notice. All product information contained in this catalogue / data sheet is for information only – NOT SPECIFICATION.

Please call / fax / e-mail for samples and full engineering drawings. Certificates of conformance issued if required.

APFEL

FEATURES OF DIN 41612 EUROCARD

Two-piece printed circuit connectors

■ Indirect connectors

It can eliminate the problems of board warpage, different board thickness

■ High density

96 conntacts in 2.54mm grid are available in a compact body.

High reliability

Dual beam metal-to-metal contact polarized connectors for all series to prevent mismating. This connectors are versatilely used in telecommunications, instruments, computers, control system ect.

· General specifications

Number of contacts: 16,24,32,48,64,96

Contact spacing: 2.54mm(0.1"),5.08mm(0.2" half-loaded)

Material

Insulator: Glass filled polyester (PBT, UL flammability 94V-0)

Contacts: Female copper alloy, male brass

Contact finish: Contact area: gold over nickel (per requirements of performance class 3, class 2)

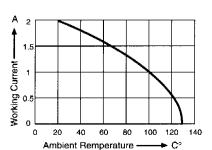
Termination area: TIN-plated or gold-plated for long wrap post

Mechanical

Insertion force: 96 contacts max 90N

64 contacts max 60N 48 contacts max 45N 32 contacts max 30N 16 contacts max 15N

Withdrawl force per contact: min 0.15N Temperature range:-55°C to +125°C Air and creepage distance 1.2mm min



Electrical

Current rating: 20°C 2A

70°C 1A 100°C 0.5A

Contact resistance: ≤20mΩ

(testing current 100mA) ≤40mΩ after 400 mating cycles Capacitance between adjacent contacts: Appr.2PF

 Insulation resistance:
 ≥10¹²Ω (between adjacent cotacts at 100VDC)

 Test voltage:
 1,000Vms between contacts (2.54mm spacing)

1,550Vrms between contacts (5.08mm spacing)
1.550Vrms between contacts and body

Operating voltage: 250V AC

• Specifications are subject to change without prior notice.

· All dimensions are in mm (milli meter)

Agency Approval

• U/L File E149341,Electric rating:250V, 2A

Apfel-Europe (a division of Westfield Distribution Ltd) (E&OE)

TEL: +44(0)1488 685183 E-mail: sales@apfel.co.uk FAX: +44(0)1488 685430

Disclaimer – Due to technical progress, all designs, specifications, data sheets and components are subject to change without notice. All product information contained in this catalogue / data sheet is for information only – NOT SPECIFICATION.

Please call / fax / e-mail for samples and full engineering drawings. Certificates of conformance issued if required.

APFEL

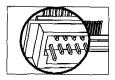
DIN 41612 EUROCARD CONNECTORS

OPTIONS:



EXTENDED MALE CONNECTORS -EARLY MAKE/LATE BREAK

APFEL provides the early make /late break extended male contacts connectors. Before entering order, please advise the positions of extended male contacts of Row a, Row b, Row c and request for correct P/N coding for this variation. Please refer to page 33 for complete part number coding. E.G. CM96abc R-X1(contact positions, a1.b1.c1.a32.b32.c32, with extended (onger contact.)





CONNECTORS WITH PRE-INSTALLED SNAP-IN MOUNTING CLIPS

The mounting clips are designed for use with 1.6mm (0.062")P.C.B. thickness. The material of mounting clips is copper alloy and it is Tin plated.

All solder connectors can be ordered with this feature.
Please refer to page 33 for the complete part number coding.
E.G. CM 64ac R-MC1, CF64ac T-MC2.





WITHOUT LOSS OF CONTACTS CODING SYSTEM

APPEL provides coded connectors for type B.C.Q.R.M.

- The coded connectors are with following advantages
- -Without loss of contact
- —No need to break off the plastic housing, no tools are required.
- —Manually keylng, keying can be changed and corrected easily.

E.G. CM64ac R-C



KEYING COMB SET

Each comb set includes 12keys, please order separately. Ordering part number for this plastic comb set is CS12



Apfel-Europe (a division of Westfield Distribution Ltd) (E&OE) TEL: +44(0)1488 685183 E-mail: sales@apfel.co.uk FAX: +44(0)1488 685430

Disclaimer – Due to technical progress, all designs, specifications, data sheets and components are subject to change without notice. All product information contained in this catalogue / data sheet is for information only – NOT SPECIFICATION.

Please call / fax / e-mail for samples and full engineering drawings. Certificates of conformance issued if required.

ΔPFEL **DIN 41612 EUROCARD CONNECTORS How to Order** C M 96 abc R -2 -X -MCI -C -S PayT B, HB, C, HC, Q HQ, R HR, M for plastic Special modification housing (consult factory, omit for standard) M-Male F-Female Connector with coding strip Omit for standard non-coded -c for coded connector Number of contacts 02 to 120 Connector with pre-installed snap-in Rows loaded with mounting clips, omit for without boardlock contacts connector a,b,c,ab,ac,bc,abc -MC1for right angle mounting ears With snap in clips —MC2 for straight mounting ears. With snap-in clips Termination T-Straight solder T2.5-Straight solder with tail length 2.5mm R-Right angled solder Male connectors with early make/late break P-Straight press-fit tail length 5mm contacts Long post version Omit: For standard connector (for wire wrap and other interconnection purpose) -E.G.X1, a1.b1.c1.a32.b32.c32. PWAB-Straight press-fit, post thickness 0.6mm, with extended longer male pin in tail length 13mm contact area PWAA-Straight press-fit post thickness 0.64mm, Other variations-please consult tail length 13mm Factory for part No. coding PWBB-Straight press-fit post thickness 0.6mm, tail length 17mm PWBA-Straight press-fit post thickness 0.64mm, tail length 17mm Performance level PW5-Tail length 5mm Omit for class 3 PW7—Tail length 7.4mm -FG for flash gold on 13/17mm wrap post Wrap post without press-fit feature WAB-Post thickness 0.6mm, tall length 13mm -2FG flash gold on 13/17mm wrap post WAA-Post thickness 0.64mm, tail length 13mm -2G gold-plated on wrap post WBB-Post thickness 0.6mm, tail length 17mm or other plating requirement, please consult factory WBA-Post thickness 0.64mm, tail length 17mm W5—Tail length 5mm

Apfel-Europe (a division of Westfield Distribution Ltd) (E&OE) TEL: +44(0)1488 685183 E-mail: sales@apfel.co.uk FAX: +44(0)1488 685430

Disclaimer – Due to technical progress, all designs, specifications, data sheets and components are subject to change without notice. All product information contained in this catalogue / data sheet is for information only – NOT SPECIFICATION.

Please call / fax / e-mail for samples and full engineering drawings. Certificates of conformance issued if required.

W7-Tail length 7.4mm

ENQUIRY FORM

Faxback to Apfel-Europe on: +44 (0) 1488 685430 Or telephone +44 (0) 1488 685183

SAMPLES / QUOTATION / TECHNICAL ASSISTANCE ON THE FOLLOWING:

Your Part No	Competition Part No	Apfel Part No	Qty per mth/yr			
Notes / Descriptions:						
Your Name:						
Company:						
Address:						
Tel:	Fax:		••••••			

Apfel-Europe (a division of Westfield Distribution Ltd) (E&OE)

TEL: +44(0)1488 685183 E-mail: sales@apfel.co.uk FAX: +44(0)1488 685430

Disclaimer – Due to technical progress, all designs, specifications, data sheets and components are subject to change without

Disclaimer – Due to technical progress, all designs, specifications, data sheets and components are subject to change withou notice. All product information contained in this catalogue / data sheet is for information only – NOT SPECIFICATION. Please call / fax / e-mail for samples and full engineering drawings. Certificates of conformance issued if required. .