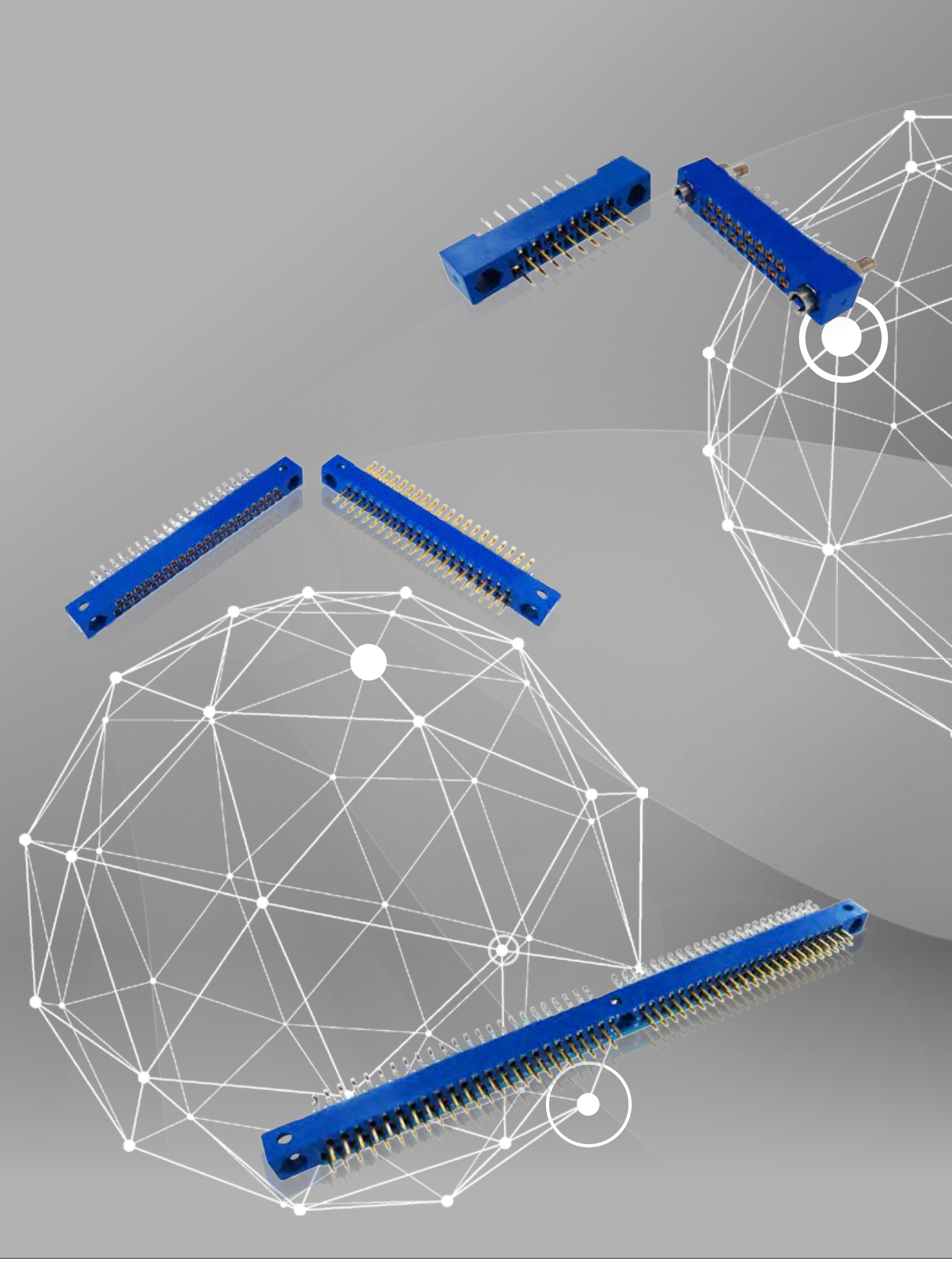
Amphenol SOCAPEX

# Board Level Products

## Board to Board Interconnect Solutions



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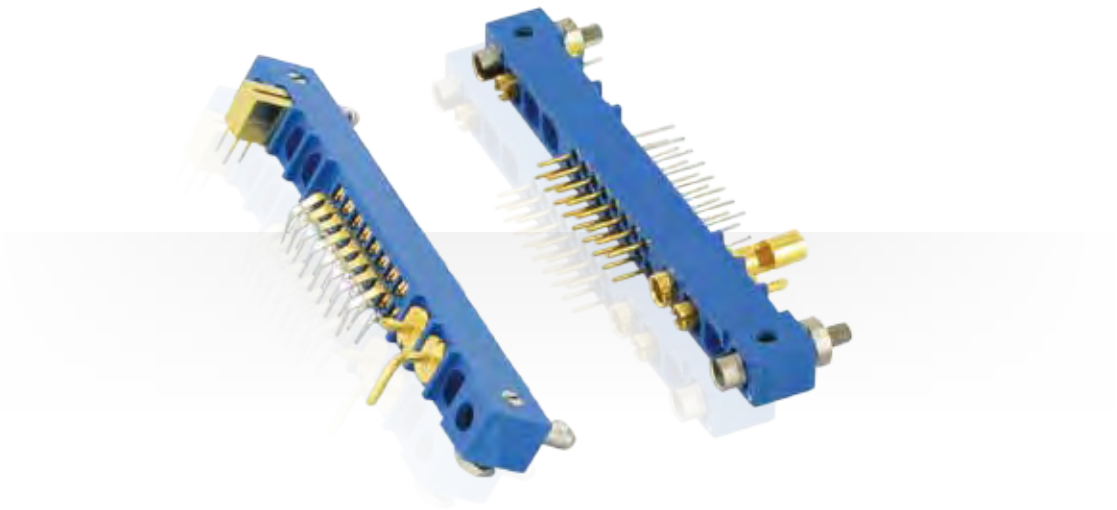
# 127/HE8: The well proven technology



## Table of contents


| 127/HE8 SERIES | 115 |
|---|---|
| General characteristics | 116 |
| Contacts | 118 |
| Receptacle & plug Fitting | 120 |
| HE801 plug & receptacle | 120 |
| HE807 plug & receptacle | 122 |
| HE804 plug & receptacle | 124 |
| HE801 special application plug & receptacle | 126 |
| HE807 special application plug & receptacle | 128 |
| HE804 special application plug & receptacle | 130 |
| Arrangements & layouts | 132 |
| Tooling | 136 |
| How to order | 137 |
| Cross references | 138 |


THE 127/HE8 SERIES SERVES VARIOUS MARKETS, INCLUDING:

Military Aerospace | Commercial Aerospace | C4ISR | Ground Vehicles | Industrial

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# GENERAL CHARACTERISTICS - 127/HE8

**The widest board to board or board to cable range**

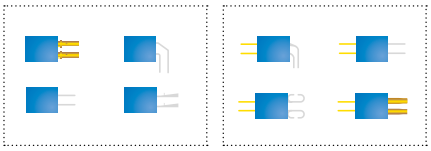
- **Wide range of fittings, guiding and contact terminations**
- **Low-profile**
- **Cost competitive**
- **Reliable technology**
- **Board to board, board to cable or cable to cable versions**
- **Fully compatible with all the standard connectors on the market (HE801, HE804 & HE807)**

## Main features

- Turning fork and blade concept
- Hybrid patterns: 3 to 10 special cavities
- 36 keying possibilities

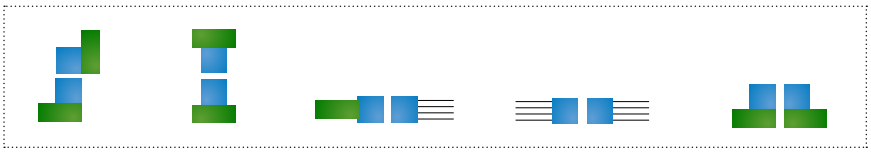
## Contacts Terminations

**Female** **Male**

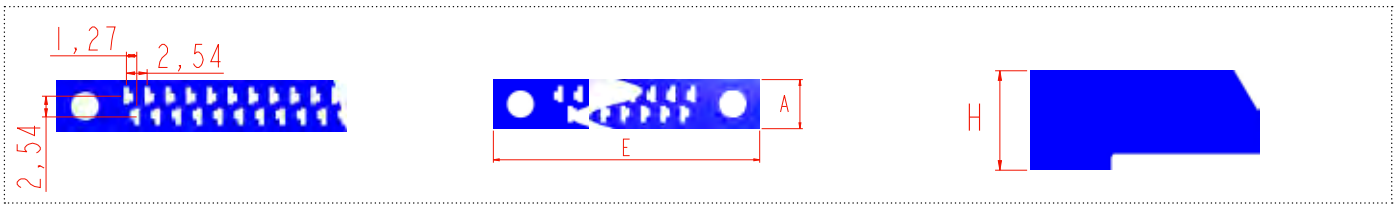


## Recommended configurations

**Mother board to daughterboard** **Mezzanine** **Board to cables** **Cables to cables** **Extender boards**



## Overall dimensions




| | HE801 | HE804 | HE807 |
|---|---|---|---|
| H | 7,9 [.311] | 6,9 [.272] | 7,9 [.311] |
| A | 6,3 [.248] for 2-rows<br>8,55 to 8,94 [.337 to .352] for 3 rows | 6,3 [.248] for 2-rows<br>8,55 to 8,94 [.337 to .352] for 3 rows | 6,3 [.248] for 2-rows<br>8,55 to 8,94 [.337 to .352] for 3 rows |
| E | 37,5 to 144,2 [1.476 to 5.677] | 37,5 to 144,2 [1.476 to 5.677] | 37,5 to 144,2 [1.476 to 5.677] |

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# GENERAL CHARACTERISTICS - 127/HE8

## STANDARD / APPROVALS

- NFC UTE 93424
  - HE801
  - HE804
  - HE807
- BS9525
  - N0001
  - F0006
  - F0007
- MIL DTL 55302
  - /140 to /155

## TYPE OF CONTACTS

- Low level signal contacts: 3A
- Power contacts: 10A & 20A
- Coaxial contacts

## CONNECTOR TYPES

- HE801: cylindrical pin
- HE804: rectangular pin
- HE807 / 127H : hybrid version
- F = Female contact
- M = Male contact

## CONTACT DENSITY

- Medium density: 2.54 [.100] staggered grid (1.27 [.050] offset), 2.54 [.100] between rows

## NUMBER OF ROWS

- 2 rows
- 3 rows

## ARRANGEMENTS

- From 17 to 144 low level signal contacts
- From 0 to 10 special contacts: power or coaxial

## FEMALE CONTACT

- Turning fork contact
- Selective plating
- Advanced copper alloys
- Optimized electrical conductivity
- Long-term mechanical reliability
- Selective plating

## MATERIALS

**Female contact**

- CuSn9P, stamped and formed

**Male contact**

- CuZn, stamped and formed

**Guiding devices**

- Electroless nickel over brass or Passivated stainless steel 303

**Plastic insert**

- Thermoset DAP, 30% glass-fiber filled

## PLATING

**Contact terminations**

- Tin lead or lead free on YD, Y, Z, ZC, YC, contacts
- Gold on X, X1 contacts

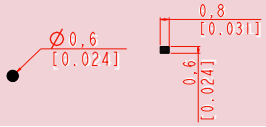
**Active contact area**

- Gold over Nickel

## MALE CONTACT

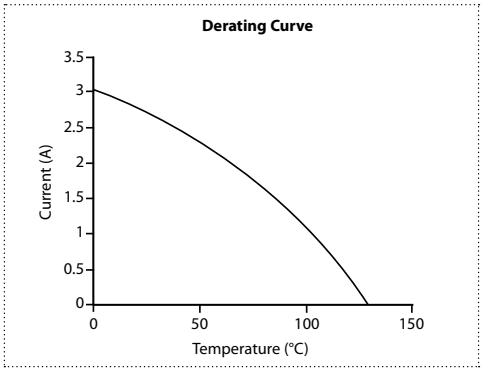
**Mating end diameter**

- HE801 & HE807: cylindrical section Ø 0.6[.024]
- HE804: rectangular section: 0,8x0,6 [.031 x .024]




# Technical specifications

| Mechanical characteristics | 127/HE8 |
|---|---|
| **Backoff**[1] (mm) | $1_{MAX}$ [.039] |
| **Mating force** per contact (N) | $1{,}60_{MAX}$ |
| **Unmating force** per contact (N) | $0{,}14_{MIN}$ |
| **Durability** cycles | 500 |
| **Vibrations** (10 to 2000 Hz) micro discontinuity 1ns | 10 g |
| **Shocks** micro discontinuity 1µs | 100 g |
| **Recommended tightening torques**<br>Nuts for Ø 2,5mm screws, brass (m.N)<br>Nuts for Ø 1,6mm screws, brass (m.N) | <br>0,25<br>0,15 |
| **Environmental characteristics** | |
| **Thermal shocks** (°C) | -55 / + 125 |
| **Salt Spray** (hours) | 96 |
| **Electrical characteristics** | |
| **Current rating** per contacts (A) | 3 (see derating curve) |
| **Insulation resistance** (GΩ) | $5_{MIN}$ |
| **Contact resistance** (mΩ) | $12_{MAX}$ |
| **Dielectric Withstanding Voltage** (Vrms) | $1000_{MIN}$ |
| **Service Voltage** (at 50Hz) (Vrms) | 250 |




[1]: When both connectors are fully mated, the backoff is the maximum distance the connectors can be unmated while functioning properly

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# SIGNAL CONTACTS

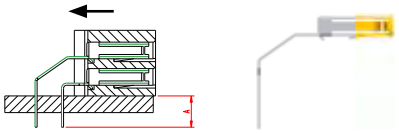


## Female contacts

The mention ← or → means the contact removal direction

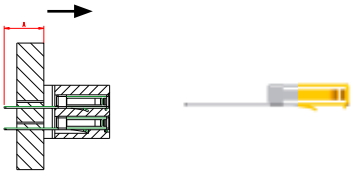
### Right angle PC tail — YC

- Thru hole soldering
- Single or double sided daughter board



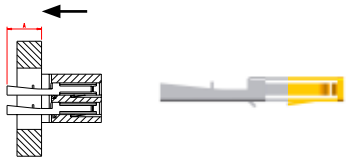
### Straight PC tail — YD/Y

- Thru hole soldering
- Mother board



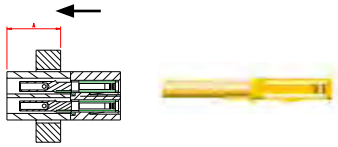
### Solder cup — Z

- Wire Ø $1_{MAX}$[.039] on core section 0,78mm²[.0012in²]
- Hard soldering on wire



### Crimp barrel — X1

- Crimping on wire
- AWG gauge 22 to 26
- Terminations protected by a casing cemented to the moulding



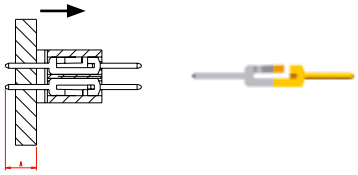
## Male contacts

### Right angle PC tail — YC

- Thru hole soldering
- Single or double sided daughter board

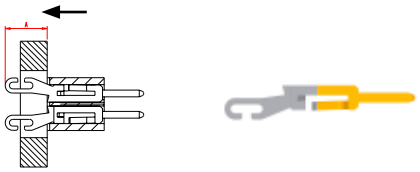
### Straight PC tail — Y

- Thru hole soldering
- Mother board



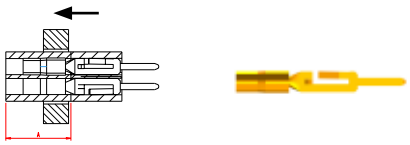
### Solder cup — ZC

- Hard soldering on wire
- Wire Ø $1_{MAX}$[.039] on core section 0,78mm²[.0012in²]



### Crimp barrel — X

- Crimping on wire
- AWG gauge 22 to 26
- Termination protected by a casing cemented to the moulding
- Not available for HE801 & HE807 connectors



| | Female | | | | | Male | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Contact type** | **YC** | **YD** | **Y** | **Z** | **X1** | **YC** | **Y** | **ZC** | **X** |
| **A HE801 / HE807** | 3[.118] | / | 4,9[.193] | 4,5[.177] | 7[.276] | 3,1[.122] | 5,05[.199] | 4,3[.169] | 7[.276] |
| **A HE804** | 3[.118] | 4,7[.185] | / | 5,5[.217] | 8[.315] | 3,1[.122] | 5[.197] | 5,3[.209] | 8[.315] |
| **PCB thickness** | 2[.079] | 3,2 [.126] | 3,2 [.126] | 3,2 [.126] | 3,2 [.126] | 2,6 [.102] | 3,2[.126] | 3,2[.126] | 3,2[.126] |
| **Termination section** | 0,2 x 0,5 [.020 x .007] | 0,5 x 0,2 [.007 x .020] | 0,5 x 0,2 [.007 x .020] | / | / | 0,35 x 0,35 [.014 x .014] | 0,35 x 0,35 [.014 x .014] | / | / |

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# SPECIAL CONTACTS

## Power contacts

### Straight PC tail 10A
- Thru hole soldering
- Mother board

M141/F141

### Right angle PC tail 10A
- Thru hole soldering
- Daughter board

M132/F132

### Solder cup 10A
- Hard soldering on wire

M121/F121

### Solder cup 20A
- Hard soldering on wire

MH1/FH1

### Right angle PC tail 20A
- Thru hole soldering
- Daughter board

MH3/FH3

### Straight PC tail 20A
- Thru hole soldering
- Mother board

MH2/FH2

## Coaxial contacts

### Straight PC tail
- Thru hole soldering
- Mother board

M041/F041

### Straight on flexible cable
- Hard soldering on flexible cable

M011/F011

### Right angle PC tail
- Thru hole soldering
- Daughter board

M032/F032

M021/F021

| Contact type | | A | Wire diameter | Termination section | PCB thickness |
|---|---|---|---|---|---|
| 10A | M121/F121 | 8,2[.323] | $2_{MAX}$[.079] | Ø 3,6[.142] | / |
| | M141/F141 | 3,8[.150] | / | Ø 1,2 [.047] | $3,2_{MAX}$[.126] |
| | M132/F132 | 3,8[.150] | / | Ø 1,2 [.047] | 1,6 to 2,4 [.063 to .095] |
| 20A | MH1/FH1 | 6,3[.248] | $1,83_{MAX}$[.072] | / | / |
| | MH2/FH2 | 4,2[.165] | / | 1,4 [0.053] | $3,2_{MAX}$[.126] |
| | MH3/FH3 | 3,8[.150] | / | 1,2 [.047] | 1,6 to 2,4 [.063 to .095] |
| Coaxial | M041/F041 | 3.8[.150] | | | |
| | M021/F021 | 9.2[.362] | | | |
| | M011/F011 | 2.5[.098] | | | |
| | M032/F032 | 6.2[.244]<br>2.54 [.100] | | | |

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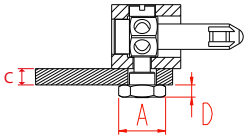
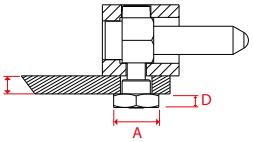
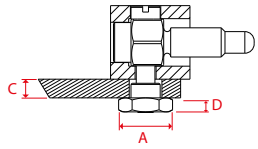
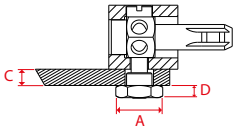
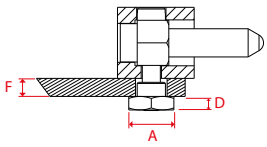
# HE801 PLUG FITTINGS, STANDARD, DAUGHTERBOARD

**To order the fitting alone HE8C1** for brass ; HE8C3** for stainless steel**

For standard applications, mounting on chassis or daughter board

| Contact | End Fittings | | | | | | | Central Fitting | | Mating Receptacle Fittings | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | End Fitting | 127 Ref. Female ct. | 127 Ref. Male ct. | Stan-dard ref. HE 8 C | Description | Keying | Locking | Central Fitting | Standard Reference HE 8 C | Female ct. | Male ct. | Stantard Reference HE 8 C |
| YC |  | A | J | 101 | Daughter board with plated thru holes | ✓ | X |  | 102 | K P KE | A B AE | 201 203 209 |
| YC |  | D | S | 103 | Daughter board Lockable on receptacle side | X | ✓ | | | S | D | 220 |
| YC |  | AS | JS | 124 | Daughter board with plated thru holes Lockable on receptacle side | ✓ | ✓ | | | KD KED | AD AED | 221 223 |
| YC |  | PA | PC | 102 | Daughter board or extension board with plated thru holes | X | X | | | K P KE | A B AE | 201 203 209 |

| | HE8C101 A/J | HE8C103 D/S | HE8C124 AS/JS | HE8C102 PA/PC |
|---|---|---|---|---|
| A | Hex 4 [.157] | Hex 4 [.157] | Hex 4 [.157] | Hex 4 [.157] |
| C | 1,6 to 2,4 [0.63 to 0.94] | 1,6 to 2,4 [.063 to .094] | 1,6 to 2,4 [.063 to .094] | 1,6 to 2,4 [.063 to .094] |
| D | 1,3 MAX [.051] | 1,3 MAX [.051] | 1,3 MAX [.051] | 1,3 MAX [.051] |

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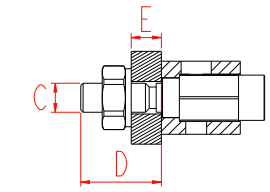
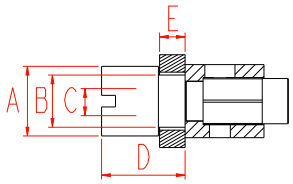
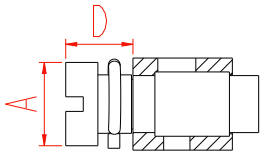
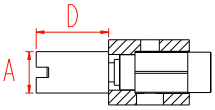
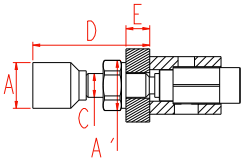
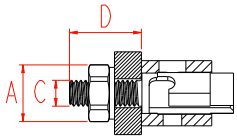
# HE801 RECEPTACLE FITTINGS, STANDARD, MOTHERBOARD OR CHASSIS

**To order the fitting alone HE8C2** for brass ; HE8C4** for stainless steel**

For standard applications, mounting on chassis or mother board

| Male contact | Female contact | End Fittings: End Fitting | 127 Ref: Female ct. | 127 Ref: Male ct. | Standard ref. HE 8 C | Description | Keying | Locking | Central Fittings: Central Fitting | Standard Reference HE 8 C | Mating Plug Fittings: Female ct. | Male ct. | Standard Reference HE 8 C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ZC<br>X<br>Y | Z<br>Y |  | K | A | 212 | Chassis or mother board | ✓ | X | | 229 | A<br>PA<br>E | J<br>PC<br>R | 101<br>102<br>110 |
| ZC<br>X | Z<br>X1<br>Y<br>YD |  | P | B | 203 | Chassis Lockable on receptacle side | ✓ | X | | 202 | A<br>PA<br>E | J<br>PC<br>R | 101<br>102<br>110 |
| ZC<br>X | Z |  | S | D | 219 | Chassis or mother board Board to board, board to chassis, parallel to one another, board to cable or chassis to cable Lockable on receptacle side | X | ✓ |  | 229 | D<br>EF | S<br>RF | 103<br>112 |
| ZC<br>X<br>Y | Z<br>Y |  | KD | AD | 221 | Cable to board or cable to chassis Quarter turn locking Dimensions given in reset position | ✓ | ✓ | | | AS<br>ES | JS<br>RS | 124<br>125 |
| ZC<br>X<br>Y | Z<br>Y |  | KT | AT | 422 | Chassis or mother board Fixed receptacle Quarter turn locking on plug side | ✓ | ✓ | | 429 | ET | RT | 327 |

| | HE8C212 K/A | HE8C203 P/B | HE8C219 S/D | HE8C221 KD/AD | HE8C422 KT/AT |
|---|---|---|---|---|---|
| A | / | Ø6[.236] | Ø5,8[.228] | Ø5[.197] | Hex5[.197] |
| B | / | Hex 4,5[.177] | / | / | / |
| C | M2.5[.098] | / | / | M.2,5[.098] | M.2,5[.098] |
| D | $6_{MAX}$[.236] | 5,9[.232] | $6_{MAX}$[.236] | $25,1_{MAX}$[.988] | $6_{MAX}$[.236] |
| E | $3,2_{MAX}$[.126] | $2,1_{MAX}$[.083] | $2,1_{MAX}$[.083] | $3,2_{MAX}$[.126] | / |
| F | 2,3[.091] | / | / | / | / |
| A' | / | / | / | Hex5[.197] | / |

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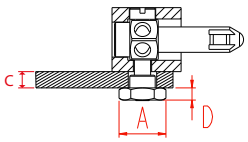
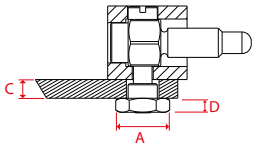
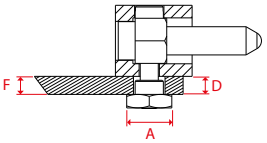
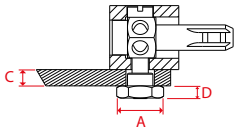
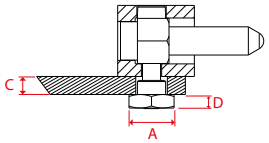
# HE807 PLUG FITTINGS, STANDARD, DAUGHTERBOARD

**To order the fitting alone HE8C1** for brass ; HE8C3** for stainless steel**

For standard applications, mounting on daughter board



| Contact | End Fitting | 127 Ref. | Standard ref. HE 8 C | Description | Keying | Locking | Central Fitting | Standard Reference HE 8 C | Mating Receptacle Fittings: 127 ref | Mating Receptacle Fittings: Standard Reference HE 8 C |
|---|---|---|---|---|---|---|---|---|---|---|
| YC |  | A | 101 | Daughter board with plated the holes | ✓ | X | | | K<br>PT<br>KE | 212<br>210<br>208 |
| YC |  | D | 103 | Daughter board Lockable on receptacle side | X | ✓ |  | 102 | S | 213 |
| YC |  | AS | 124 | Daughter board with plated thru holes Lockable on receptacle side | ✓ | ✓ | | | KD<br>KED | 221<br>224 |
| YC |  | PA | 102 | Daughter board or extension board with plated thru holes | X | X | | | K<br>P<br>KE<br>IE | 212<br>226<br>208 |

| | HE8C101 A | HE8C103 D | HE8C124 AS | HE8C102 PA |
|---|---|---|---|---|
| A | Hex 4[.157] | Hex 4[.157] | Hex 4[.157] | Hex 4[.157] |
| C | 1,3 to 2,4[.63 to .94] | 1,3 to 2,4[.63 to .94] | 1,3 to 2,4[.63 to .94] | 1,3 to 2,4[.63 to .94] |
| D | $1,3_{MAX}$[.051] | $1,3_{MAX}$[.051] | $1,3_{MAX}$[.051] | $1,3_{MAX}$[.051] |

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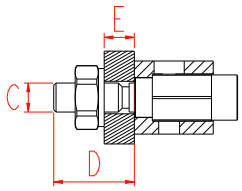
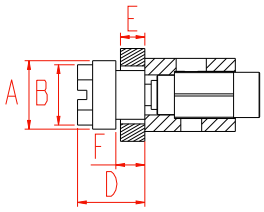
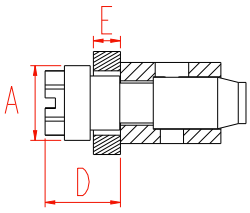
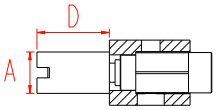
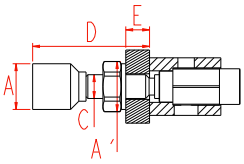
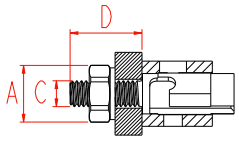
Due to technical progress, all information provided is subject to change without prior notice
Designed by Amphenol Socapex

# HE807 RECEPTACLE FITTINGS, STANDARD, MOTHERBOARD OR CHASSIS

**To order the fitting alone HE8C2** for brass ; HE8C4** for stainless steel**

For standard applications, mounting on chassis or mother board

| Male contact | Female contact | End Fittings: End Fitting | 127 Ref. Female ct. | 127 Ref. Male ct. | Description | Keying | Locking | Central Fitting: Central Fitting | Standard Reference HE 8 C | Mating Plug Fittings: 127 ref | Standard Reference HE 8 C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ZC<br>X<br>Y | Z<br>YD |  | K | 212 | Chassis or mother board | ✓ | X | | 229 | A<br>PA<br>E<br>T | 101<br>102<br>117<br>118 |
| ZC<br>X | Z |  | P | 226 | Chassis<br>floating receptacle | ✓ | X | | 202 | A<br>PA<br>E<br>T | 118101<br>102<br>117<br>118 |
| ZC<br>X | Z |  | S | 213 | Cables, free receptacle<br>Locking device extractor<br>Locking and unlocking shall be carried out simultaneously at both ends | X | ✓ |  | 229 | D<br>EF | 103<br>119 |
| ZC<br>X<br>Y | Z<br>YD |  | KD | 221 | Chassis or motherboard<br>Fixed receptacle | ✓ | ✓ | | | AS<br>ES | 124<br>125 |
| ZC<br>X<br>Y | Z<br>YD |  | KT | 422 | Chassis or mother board<br>Fixed receptacle<br>Quarter turn locking on plug side | ✓ | ✓ | | 429 | ET | 327 |

| | HE8C212<br>K | HE8C226<br>P | HE8C213<br>S | HE8C221<br>KD | HE8C422<br>KT |
|---|---|---|---|---|---|
| A | / | Ø6[.236] | Ø5,8[.228] | Ø5[.197] | Hex5[.197] |
| B | / | Hex 4,5[.177] | / | / | / |
| C | M2.5[.098] | / | / | M.2,5[.098] | M.2,5[.098] |
| D | $6_{MAX}$[.236] | 5,9[.232] | $6_{MAX}$[.236] | $25,1_{MAX}$[.988] | $6_{MAX}$[.236] |
| E | $3,2_{MAX}$[.126] | $2,1_{MAX}$[.083] | $2,1_{MAX}$[.083] | $3,2_{MAX}$[.126] | / |
| F | 2,3[.091] | / | / | / | / |
| A' | / | / | / | Hex5[.197] | / |

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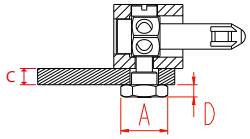
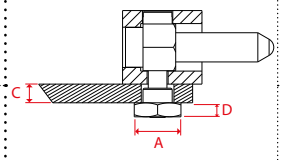
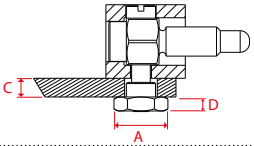
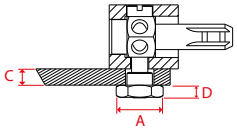
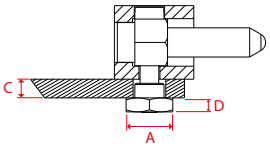
Designed by Amphenol Socapex

# HE804 PLUG FITTINGS, STANDARD, DAUGHTERBOARD

**To order the fitting alone HE8C1** for brass ; HE8C3** for stainless steel**

For standard application, mounting on daughterboard

| Contact | End Fittings | End Fittings | 127 ref. | | Standard ref. | Description | Keying | Locking | Central Fitting | Central Fitting | Standard Reference HE 8 C | Mating Receptacle Fittings | Mating Receptacle Fittings | Mating Receptacle Fittings |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | End Fittings | | Female contact | Male contact | HE 8 C | | | | Central Fitting | | Standard Reference HE 8 C | Female contact | Male contact | Stantard Reference HE 8 C |
| YC |  | | A | J | 101 | Daughter board with plated thru holes | ✓ | X |  | | 102 | K<br>L<br>P<br>KE<br>PD | A<br><br>B<br>AE | 201<br><br>203<br>209 |
| YC |  | | D | S | 103 | Daughter board Lockable on receptacle side | X | ✓ | | | | S<br>PD | D<br>PB | 220 |
| YC |  | | AS | JS | 124 | Daughter board with plated thru holes Lockable on receptacle side | ✓ | ✓ | | | | KD<br>KED<br>PD | AD<br>AED<br>PB | 221<br>223 |
| YC |  | | PA | PC | 102 | Daughter board with plated thru holes | X | X | | | | K<br>L<br>P<br>KE<br>PD | A<br><br>B<br>AE<br>PB | 201<br><br>203<br>209 |

| | HE8C101 A/J | HE8C103 D/S | HE8C124 AS/JS | HE8C102 PA/PC |
|---|---|---|---|---|
| A | Hex 4 [.157] | Hex 4 [.157] | Hex 4 [.157] | Hex 4 [.157] |
| C | 1,.6 to 2,4 [0.63 to 0.94] | 1,6 to 2,4 [.063 to .094] | 1,6 to 2,4 [.063 to .094] | 1,6 to 2,4 [.063 to .094] |
| D | 1,3 MAX [.051] | 1,3 MAX [.051] | 1,3 MAX [.051] | 1,3 MAX [.051] |

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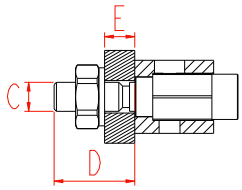
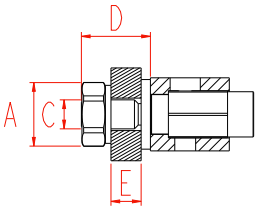
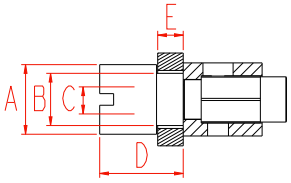
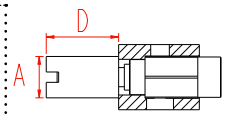
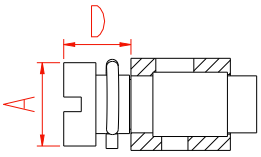
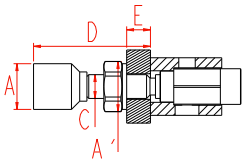
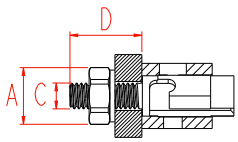
Designed by Amphenol Socapex

# HE804 RECEPTACLE FITTINGS, STANDARD, MOHTERBOARD OR CHASSIS

**To order the fitting alone HE8C2** for brass ; HE8C4** for stainless steel**

For standard applications, mounting on chassis or mother board

| Male contact | Female contact | End Fitting | Amphenol Reference: Female contact | Amphenol Reference: Male contact | Amphenol Reference: HE 8 C | Description | Keying | Locking | Central Fitting | Standard Reference HE 8 C | Mating Plug Fittings: Female contact | Mating Plug Fittings: Male contact | Mating Plug Fittings: Standard Reference HE 8 C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ZC<br>X<br>Y | Z<br>YD |  | K | A | 201 | Chassis or mother board | ✓ | X | | | A<br>PA<br>E | J<br>PC<br>R | 101<br>102<br>110 |
| | Z<br>YD<br>X1 |  | L | / | 228 | Chassis or mother board With insulating washer | ✓ | X | | | A<br>PA<br>E | J<br>PC<br>R | 101<br>102<br>110 |
| ZC<br>X | Z |  | P | B | 203 | Chassis Floating receptacle | ✓ | X |  | 202 | A<br>PA<br>E | J<br>PC<br>R | 101<br>102<br>110 |
| ZC<br>X | Z |  | S | D | 220 | Cables, free receptacle Locking device extractor-Locking and unlocking shall be carried out simultane-ously at both ends | X | ✓ | | | D<br>EF | S<br>RF | 103<br>112 |
| ZC<br>X<br>Y | Z<br>YD |  | KD | AD | 221 | Chassis or mother board Fixed recep-tacle. Captive locking screw into the body of the fitting | ✓ | ✓ | | | AS<br>ES | JS<br>RS | 124<br>125 |
| ZC<br>X<br>Y | Z<br>YD |  | KT | AT | 422 | Chassis or mother board Fixed recep-tacle Quarter turn locking on plug side | ✓ | ✓ | | 402 | ET | RT | 327 |

| | HE8C201 K/A | HE8C228 L | HE8C203 P/B | HE8C220 S/D | HE8C221 KD/AD | HE8C422 KT/AT |
|---|---|---|---|---|---|---|
| A | / | Hex 5 [.197] | Ø 6 [.236] | Ø 5,7 [.224] | Ø 5 [.197] | Hex 5 [.197] |
| B | / | / | Ø 4,5 [.177] | / | / | / |
| C | M 2,5 [.098] | M 2,5 [.098] | M 2,5 [.098] | / | M 2,5 [.098] | M 2,5 [.098] |
| D | 6 MAX [.236] | 6 MAX [.236] | 7,2 [.283] | 4,7 MAX [.185] | 26,1 MAX [1.028] | 7 MAX [.276] |
| E | 3,2 MAX [.126] | 2,7 MAX [.106] | 2,2 [.087] | / | 3,2 MAX [.126] | / |
| A' | / | / | / | / | Hex 5 [.197] | / |

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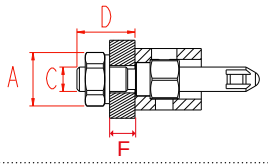
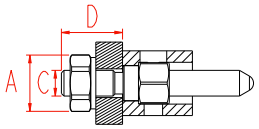
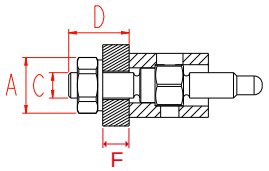
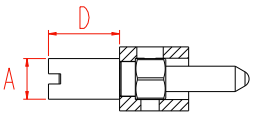
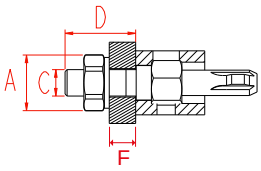
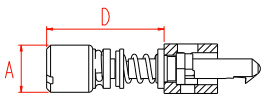
# HE801 PLUG FITTINGS, SPECIAL APPLICATIONS

**To order the fitting alone HE8C1** for brass ; HE8C3** for stainless steel**

Plug fittings for special applications, mounting on chassis, mother board or wires

| Male contact | Female contact | End Fittings | 127 Ref. Female ct. | 127 Ref. Male ct. | Standard ref. HE 8 C | Description | Keying | Locking | Central Fitting | Standard Reference HE 8 C | Mating Receptacle Fittings Female ct. | Male ct. | Standard Reference HE 8 C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ZC<br>X<br>Y | Z<br>YD |  | E | R | 117 | Chassis or mother board Board to board, board to chassis or mezzanine | ✓ | X | | | K<br>P<br>KE | A<br>B<br>AE | 201<br>203<br>209 |
| | |  | T | T | 118 | | ✓ | X | | | | | |
| ZC<br>X<br>Y | Z<br>YD |  | EF | RF | 119 | Chassis or mother board Board to board, board to chas-sis, mezzanine board to cable or chassis to cable Lockable on receptacle side | X | ✓ |  | 129 | S | D | 220 |
| ZC<br>X<br>Y | Z<br>YD |  | ES | RS | 125 | | ✓ | ✓ | | | KD<br>KED | AD<br>AED | 221<br>223 |
| ZC<br>X | Z |  | ET | RT | 327 | Cable to board or cable to chassis Quarter turn locking | ✓ | ✓ | | 329 | KT<br>KET | AT<br>AET | 422<br>425 |

| | HE8C117 E/R | HE8C118 T | HE8C119 EF/RF | HE8C125 ES/RS | HE8C327 ET/RT |
|---|---|---|---|---|---|
| A | Hex 5 [.197] | | | | Ø 6 [.236] |
| C | M 2,5 [.098] | | | | / |
| D | 6 MAX [.236] | | | 7 MAX [.276] | 16 MAX [.630] |
| F | 3,2 MAX [.126] | / | 3,2 MAX [.126] | 3,2 MAX [.126] | / |

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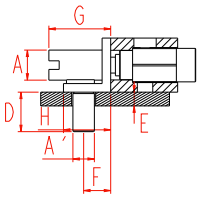
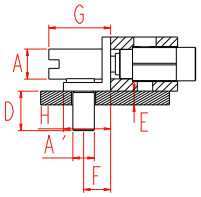
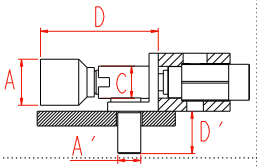
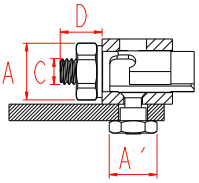
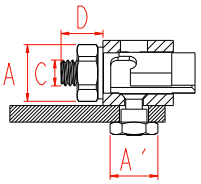
# HE801 RECEPTACLE FITTINGS, SPECIAL APPLICATIONS

**To order the fitting alone HE8C2** for brass ; HE8C4** for stainless steel**

Receptacle fittings for special applications, mounting on daughterboard

| Contact | End Fittings | | | | | | | Central Fitting | | Mating Plug Fittings | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | End Fittings | 127 Ref. Female ct. | 127 Ref. Male ct. | Stan-dard ref. HE 8 C | Description | Keying | Locking | Central Fitting | Standard Reference HE 8 C | Female ct. | Male ct. | Standard Refer-ence HE 8 C |
| |  | KE | AE | 208 | Connection board to board aligned with each other With bracket | ✓ | X |  | 208 | A<br>PA<br>E | J<br>PC<br>R | 101<br>102<br>110 |
| YC |  | KED | AED | 224 | Connection board to board aligned with each other. Captive locking screw into the body of the fitting With bracket | ✓ | ✓ | | | AS<br>ES | JS<br>RS | 124<br>125 |
| |  | KET | AET | 425 | Daughter board. Board to cable. Quarter turn lock-ing on plug side | ✓ | ✓ |  | 425 | ET | RT | 327 |

| | HE8C208<br>KE/AE | HE8C224<br>KED/AED | HE8C425<br>KET/AET |
|---|---|---|---|
| A | Ø 3,5 [.138] | Ø 5 [.197] | Hex 5 [.197] |
| C | / | Ø 3,5 [.138] | M 2,5 [.098] |
| D | 4,6 [.181] | 13 $_{MAX}$ [.197] | 4,1 $_{MAX}$ [.161] |
| E | 1,6 to 2,4 [.063 to .094] | / | / |
| F | 2,35 [.093] | / | / |
| G | 7,2 $_{MAX}$ [.283] | / | / |
| A' | M 2.5 [.098] | | Hex 4 [.157] |
| H | 5,5 [.217] | 4,6 [.181] | / |
| D' | / | / | / |

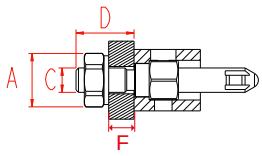
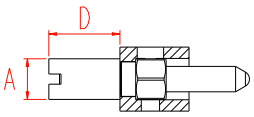
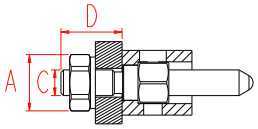
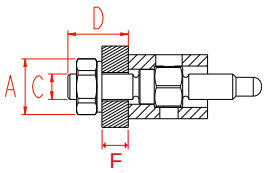
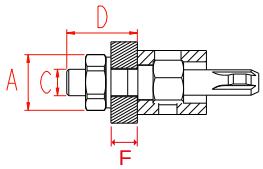
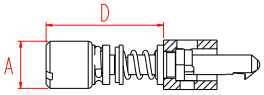
All dimensions are given for information only and are in mm [inch], except as otherwise specified | *in mm: 1mm=0.03937 inch

Due to technical progress, all information provided is subject to change without prior notice
Designed by Amphenol Socapex

# HE807 PLUG FITTINGS, SPECIAL APPLICATIONS

**To order the fitting alone HE8C1** for brass ; HE8C3** for stainless steel**

Plug fittings for special applications, mounting on chassis, mother board or wires

| Male contact | Female contact | End Fittings | 127 Ref. Female ct. | 127 Ref. Male ct. | Description | Keying | Locking | Central Fitting | Standard Reference HE 8 C | Mating Receptacle Fittings 127 Ref. | Mating Receptacle Fittings Standard Ref. HE 8 C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ZC X Y | Z Y |  | E | 117 | Chassis or mother board Board to board, board to chassis or mezzanine | ✓ | X |  | 129 | K P | 212 226 208 206 |
| | |  | T | 118 | | X | X | | | | |
| ZC X Y | Z Y |  | EF | 119 | Chassis or mother board Board to board, board to chassis, mezzanine, board to cable or chassis to cable Lockable on receptacle side | X | ✓ | | | S | 213 |
| | Z Y |  | ES | 125 | | ✓ | ✓ | | | KD | 221 224 |
| ZC X | Z |  | ET | 327 | Cable to board or cable to chassis Quarter turn locking | ✓ | ✓ | | 329 | KT KET | 422 425 |

| | HE8C117 E/R | HE8C118 T | HE8C119 EF/RF | HE8C125 ES/RS | HE8C327 ET/RT |
|---|---|---|---|---|---|
| A | Hex 5 [.197] | | | | Ø 6 [.236] |
| C | M 2,5 [.098] | | | | / |
| D | 6 MAX [.236] | | | 7 MAX [.276] | 16 MAX [.630] |
| F | 3,2 MAX [.126] | / | 3,2 MAX [.126] | 3,2 MAX [.126] | / |

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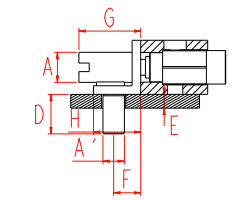
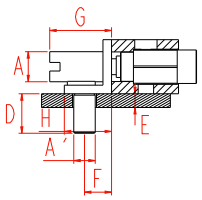
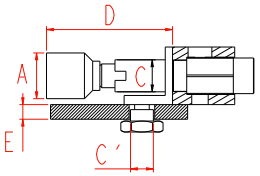
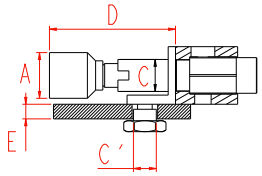
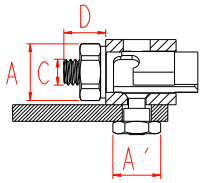
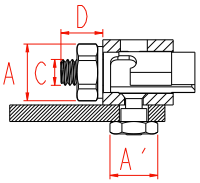
Designed by Amphenol Socapex

# HE807 RECEPTACLE FITTINGS, SPECIAL APPLICATIONS

**To order the fitting alone HE8C2** for brass ; HE8C4** for stainless steel**

Receptacle fittings for special applications, mounting on daughter board

| Contact | End Fittings | | | | | | Central Fitting | | Mating Plug Fittings | |
|---|---|---|---|---|---|---|---|---|---|---|
| | End Fittings | 127 Ref. Female ct. | 127 Ref. Male ct. | Description | Keying | Locking | Central Fitting | Standard Reference HE 8 C | 127 Ref | Standard Ref HE 8 C |
| YC |  | KE | 208 | Connection board to board aligned with each other With bracket | ✓ | X |  | 208 | A<br>PA<br>E<br>T | 101<br>102<br>117<br>118 |
| |  | KED | 224 | Connection board to board aligned with each other Captive locking screw into the body of the fitting With bracket | ✓ | ✓ |  | | AS | 124 |
| |  | KET | 425 | Daughter board Board to cable Quarter turn locking on plug side | ✓ | ✓ |  | 425 | ET | 327 |

| | HE8C208 KE/AE | HE8C224 KED/AED | HE8C425 KET/AET |
|---|---|---|---|
| A | Ø 3,5 [.138] | Ø 5 [.197] | Hex 5 [.197] |
| C | / | Ø 3,5 [.138] | M 2,5 [.098] |
| D | 4,6 [.181] | 13 $_{MAX}$ [.197] | 4,1 $_{MAX}$ [.161] |
| E | 1,6 to 2.4 [.063 to .094] | / | / |
| F | 2,35 [.093] | / | / |
| G | 7,2 $_{MAX}$ [.283] | / | / |
| A' | M 2,5 [.098] | | Hex 4 [.157] |
| H | 5,5 [.217] | 4,6 [.181] | / |
| D' | / | / | / |

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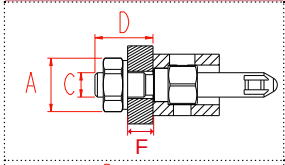
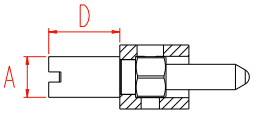
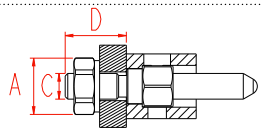
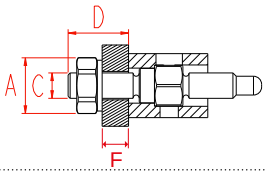
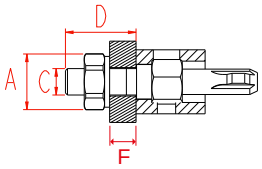
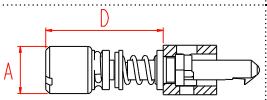
# HE804 PLUG FITTINGS, SPECIAL APPLICATIONS

**To order the fitting alone HE8C1** for brass ; HE8C3** for stainless steel**

Plug fittings for special applications, mounting on chassis, motherboard or wires

| Male contact | Female contact | End Fittings | 127 ref. Female ct. | 127 ref. Male ct. | Standard ref. HE 8 C | Description | Keying | Locking | Central Fitting | Standard Reference HE 8 C | Mating Receptacle Fittings: Female ct. | Mating Receptacle Fittings: Male ct. | Mating Receptacle Fittings: Standard Reference HE 7 C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ZC<br>X<br>Y | Z<br>YD |  | E | R | 110 | Chassis or mother board Board to board, board to chassis or mezzanine | ✓ | X |  | 113 | K<br>L<br>P<br>KE | A<br>B<br>AE | 201<br>203<br>209 |
| | |  | T | T | 111 | | ✓ | X | | | | | |
| ZC<br>X<br>Y | Z<br>YD |  | EF | RF | 112 | Chassis or mother board Board to board, board to chassis, mezzanine, board to cable or chassis to cable Lockable on receptacle side | X | ✓ | | | S | D | 220 |
| ZC<br>X<br>Y | Z<br>YD |  | ES | RS | 125 | | ✓ | ✓ | | | KD<br>KED | AD<br>AED | 221<br>223 |
| ZC<br>X | Z |  | ET | RT | 327 | Cable to board or cable to chassis Quarter turn locking | ✓ | ✓ | | 313 | KT<br>KET | AT<br>AET | 422<br>425 |

| | HE8C110 E/R | HE8C111 T | HE8C112 EF/RF | HE8C125 ES/RS | HE8C327 ET/RT |
|---|---|---|---|---|---|
| A | Hex 5 [.197] | Hex 5 [.197] | | | Ø 6 [.236] |
| C | M 2,5 [.098] | | | | / |
| D | 6 MAX [.236] | | | 7 MAX [.276] | 16 MAX [.630] |
| F | 3,2 MAX [.126] | / | / | / | / |

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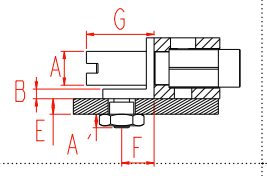
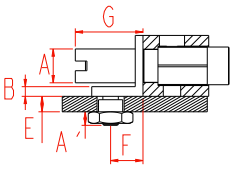
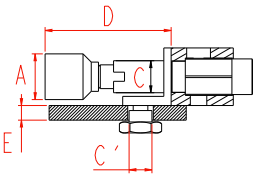
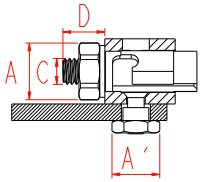
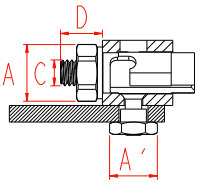
Designed by Amphenol Socapex

# HE804 RECEPTACLE FITTINGS, SPECIAL APPLICATIONS

**To order the fitting alone HE8C2** for brass ; HE8C4** for stainless steel**

Receptacle fittings for special applications, mounting on daughter board

| Contact | End Fittings | 127 ref. Female ct. | 127 ref. Male ct. | Standard ref. HE 8 C | Description | Keying | Locking | Central Fitting | Standard Reference HE 8 C | Mating Plug Fittings Female ct. | Male ct. | Standard Reference HE 7 C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| YC |  | KE | AE | 209 | Connection board to board aligned with each other With bracket | ✓ | X |  | 209 | A<br>PA<br>E | J<br>PC<br>R | 101<br>102<br>110 |
| |  | KED | AED | 223 | Connection board to board aligned with each other. Captive locking screw into the body of the fitting With bracket | ✓ | ✓ | | | AS<br>ES | JS<br>RS | 124<br>125 |
| |  | KET | AET | 425 | Daughter board. Board to cable. Quarter turn locking on plug side | ✓ | ✓ |  | 425 | ET | RT | 327 |

| | HE8C209 KE/AE | HE8C223 KED/AED | HE8C425 KET/AET |
|---|---|---|---|
| A | Ø 3,5 [.138] | Ø 5 [.197] | Hex [0.197] |
| B | 1 $_{MAX}$ [.039] | / | / |
| C | / | Ø 3,5 [.138] | M 2,5 [.098] |
| D | / | 14 $_{MAX}$ [.551] | 4,1 $_{MAX}$ [.161] |
| A' | Hex 4 [.157] | / | Hex 4 [.157] |
| E | 1,6 to 2,4 [.063 to .094] | 1,6 to 2,4 [.063 to .094] | / |
| F | 3,35 [.132] | / | / |
| G | 7,2 $_{MAX}$ [.283] | / | / |

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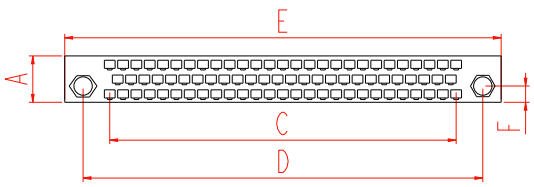
# ARRANGEMENTS & LAYOUTS

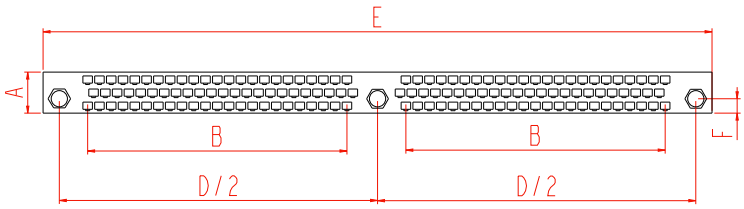


## Arrangements - HE801 & HE804 - 3 rows

**Without central fitting**




**With central fitting**

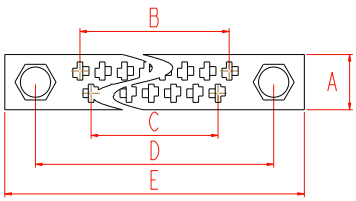



| | 80 |
|---|---|
| A | 8,94[0.35] |
| C | 66,04[2.6] |
| D | 76,3[3] |
| E | 83,4[3.28] |
| F | 3,1[0.12] |

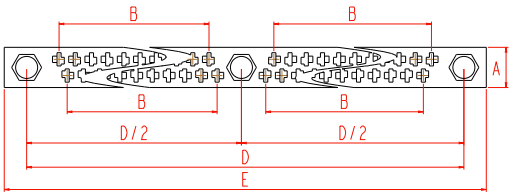
| | 144 |
|---|---|
| A | 8,55[0.34] |
| B | 58,42[2.3] |
| D | 137,16[5.4] |
| E | 144,36[5.68] |
| F | 3,1[0.12] |

## Arrangements - 2 rows

**Without central fitting**




**With central fitting**




| | 17 | 29 | 33 | 41 | 53 | 65 |
|---|---|---|---|---|---|---|
| A | 6,3[0.25] | 6,3[0.25] | 6,3[0.25] | 6,3[0.25] | 6,3[0.25] | 6,3[0.25] |
| B | 20,32[0.8] | 35,56[1.4] | 40,64[1.6] | 50,8[2] | 66,04[2.6] | 81,28[3.2] |
| C | 17,78[0.7] | 33,02[1.3] | 38,1[1.5] | 48,26[1.9] | 63,5[2.5] | 78,74[3.1] |
| D | 30,48[1.200] | 45,72[1.771] | 50,80[2.000] | 60,96[2.400] | 76,20[3.000] | 91,44[3.600] |
| E | 37,5[1.476] | 52,7[2.075] | 57,8[2.275] | 68,0[2.677] | 83,2[3.275] | 98,5[3.878] |

| | 72 | 84 | 96 |
|---|---|---|---|
| A | 6,3[0.25] | 6,3[0.25] | 6,3[0.25] |
| B | 43,18[1.7] | 50,8[2] | 58,42[2.3] |
| D | 106,68[4.2] | 121,92[4.8] | 137,16[5.4] |
| E | 113,7[4.48] | 128,94[5.08] | 144,2[5.68] |

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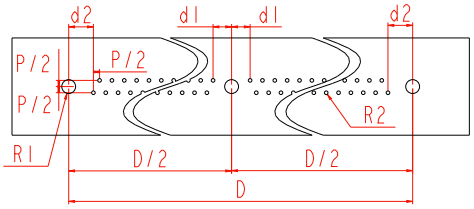
# ARRANGEMENTS & LAYOUTS

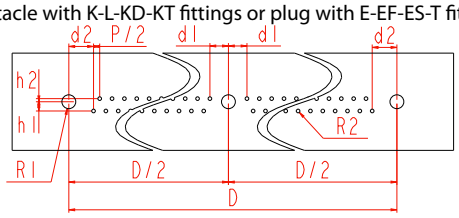
## Layouts - 2 rows

The boards are shown from the connector side. The drawings show connectors with central fitting.
For smaller connector, omit the center drilling. All contacts outputs are equidistant.

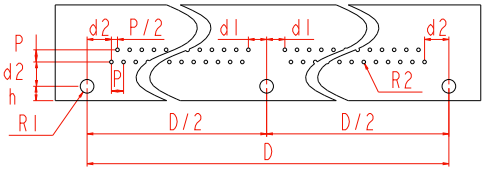
**Motherboard**
Y contact
Receptacle with A-AD-AT fittings or plug with R-RF-RS-T fittings



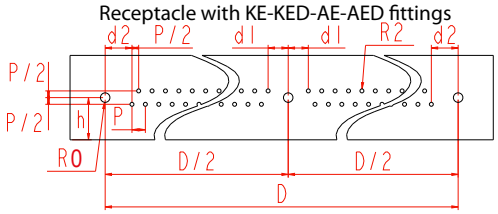

YD contact (female only)
Receptacle with K-L-KD-KT fittings or plug with E-EF-ES-T fittings




**Daughterboard**
YC contact
Receptacle with KET-AET fittings or plug with A-D-AS-PA-J-S-JS-PC fittings




YC contact
Receptacle with KE-KED-AE-AED fittings

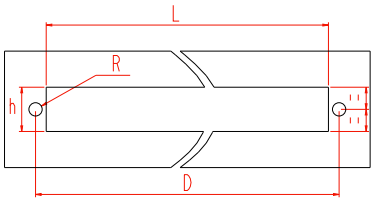



| D | $d_1$ | $d_2$ | p | $p_{/2}$ | h | $h_1$ | $h_2$ | $h_4$ | $R_0$ | $R_1$ | $R_2$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| See previous page | 3,81 [.150] | 5,08 [.200] | 2,54 [.100] | 1,27 [.050] | 3 MAX [.118] | 1,9 [.075] | 0,64 [.025] | 8 MAX [.315] | Ø 1,8 MIN [.071] | Ø 2,85 MIN [.112] Ø0.2 | Ø 0,75 MIN [.030] Ø0.2 |

## Panel drilling - 2 rows

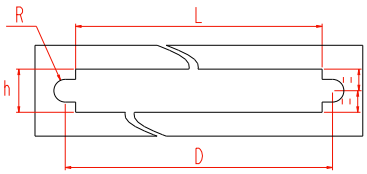
Receptacle with A-AD-AT fittings or plug with R-RF-RS-T fittings with male contact ZC-X
Receptacle with K-KD-KT-L fittings or plug with E-EF-ES-T fittings with female contact Z

| | |
|---|---|
| D | See previous page |
| L | ≈ D - 4.6 |
| h | 9.5 MIN |
| R | Ø 2.85 MIN Ø0.2 |




Receptacle with B fitting and male contact ZC-X
Receptacle with P fitting and female contact Z

| | |
|---|---|
| D | See previous page |
| L | ≈ D - 4,6 |
| h | 9,5 MIN |
| R | Ø 5 ± 0,1 Ø0.2 |

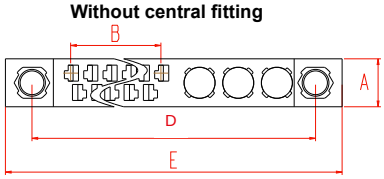



All dimensions are given for information only and are in mm [inch], except as otherwise specified | *in mm: 1mm=0.03937 inch

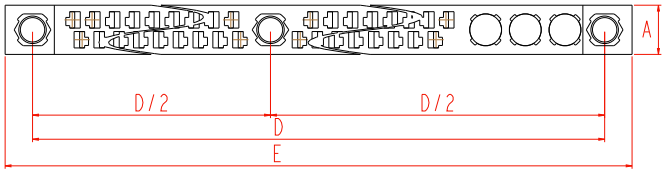
# ARRANGEMENTS & LAYOUTS

## Arrangements - signal + 3 cavities

Without central fitting




With central fitting



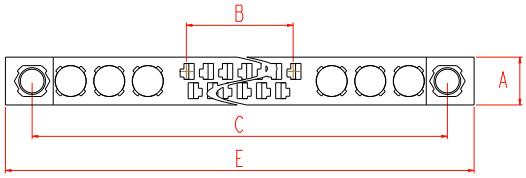

| | 5+3 | 17+3 |
|---|---|---|
| A | 6,3$^{+0.1}$ [.25$^{+.04}$] | |
| B | 5,08[0.2] | 20,32[0.8] |
| D | 30,48[1.2] | 45,72[1.8] |
| E | 37,48[1.48] | 52,72[2.08] |

*Note:*
- *Asymmetrical arrangements with female contacts always have plug marking*
- *Asymmetrical arrangements with male contacts always have receptacle marking*

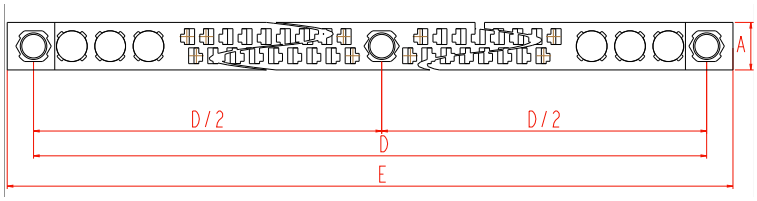
| | 60+3 | 84+3 |
|---|---|---|
| A | 6,3[0.25] | 6,3[0.25] |
| D | 106,68[4.2] | 137,16[5.4] |
| E | 113,68[4.48] | 144,16[5.68] |

## Arrangements - signal + 6 cavities

Without central fitting




With central fitting

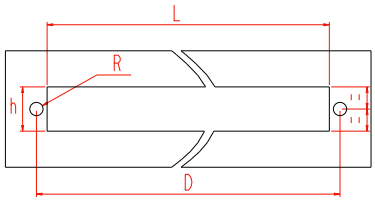


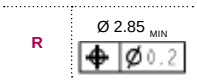

| | 5+6 | 17+6 | 29+6 | 41+6 |
|---|---|---|---|---|
| A | 6,3$^{+0.1}$ [.25$^{+.04}$] | | | |
| B | 5,08[0.2] | 20,32[0.8] | 35,56[1.4] | 50,8[2] |
| C | 45,72[1.8] | 60,96[2.4] | 76,2[3] | 91,44[3.6] |
| E | 52,72[2.08] | 67,96[2.68] | 83,2[3.28] | 98,44[3.88] |

| | 72+6 |
|---|---|
| A | 6,3[0.25] |
| D | 137,16[5.4] |
| E | 144,16[5.68] |

## Panel drilling

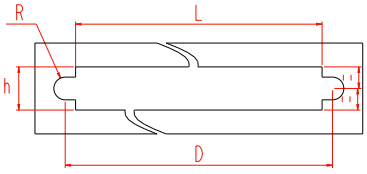
F011 / M011-F021 / M021-F121 / M121-FH1 / MH1 contacts.

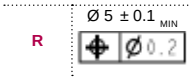



Receptacle with K-KD-KT fittings or plug with E-EF-ES fittings and male contacts ZC-X.
Receptacle with K-KD-KT fittings or plug with E-EF-ES fittings and female contacts ZC-X1.

F011 / M011-F021 / M021-F121 / M121-FH1 / MH1 contacts.




Receptacle with P fitting with male contacts ZC-X.
Receptacle with P fitting with female contact ZC-X1.

| D | L | h | $d_1$ | $d_2$ | p | $p_{/2}$ | $h_0$ | $h_1$ | $h_2$ | $R_1$ | $R_2$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| See above | D-4,6 | 9,5 MIN | 3,81 [.150] | 5,08 [.200] | 2,54 [.100] | 1,27 [.050] | 3 MAX [.118] | 1,9 [.075] | 0,64 [.025] | Ø 2,85 MIN [.112] Ø 0.2 | Ø 0,75 MIN [.030] Ø 0.2 |

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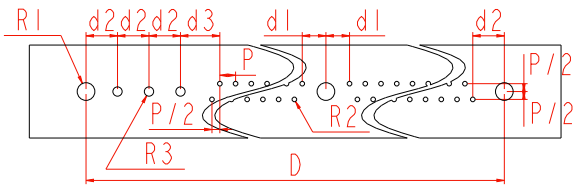
Designed by Amphenol Socapex

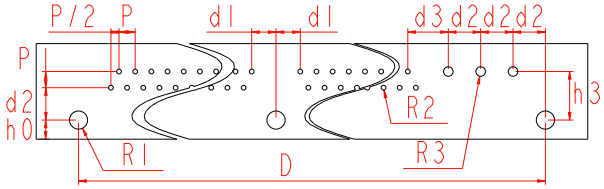
# ARRANGEMENTS & LAYOUTS

## Layouts– Power

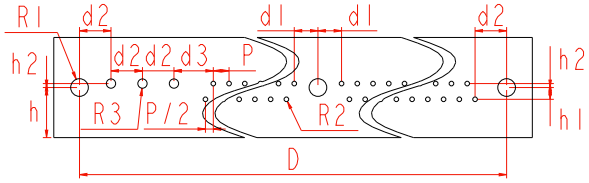
**Motherboard**
Y + FH2/MH2 & F141/M141 contacts
**Receptacle with K-KD-KT fittings & plug with E-EF-ES fittings**



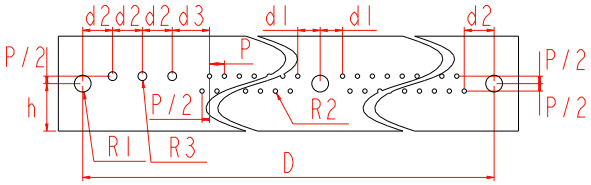

**Daughterboard**
YC + FH3/MH3 & F132/M132 contacts
**Receptacle with KET fitting & plug with A-D-AS-PA fittings**




**Daughterboard**
YC + FH3/MH3 & F132/M132 contacts
**Receptacle with IE fitting**




**Daughterboard**
YC + FH3/MH3 & F132/M132 contacts
**Receptacle with KE fitting**

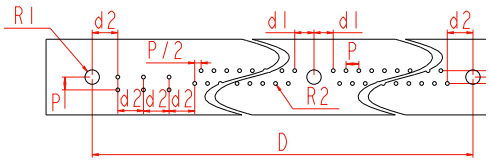



| D | $d_1$ | $d_2$ | $d_3$ | p | $p_{/2}$ | $h_0$ | $h_1$ | $h_2$ | $h_3$ | $R_1$ | $R_2$ | h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| See previous page | 3,81 [.150] | 5,08 [.200] | 6,35 [.250] | 2,54 [.100] | 1,27 [.050] | 3 MAX [.118] | 1,9 [.075] | 0,64 [.025] | 7,62 [.300] | Ø 2,85 MIN [.112] | Ø 0.75 MIN [.030] | 9.35 [.368] |

## Layout - Coaxial

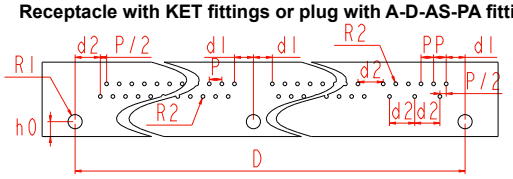
The boards are shown from the connector side. The drawings show connectors with a central fitting.
For smaller connector, omit the center drilling. All contacts outputs are equidistant.

**Motherboard**
F041/M041 contacts
**Receptacle with K-KD-KT fittings and plug with E-EF-ES-T fittings**

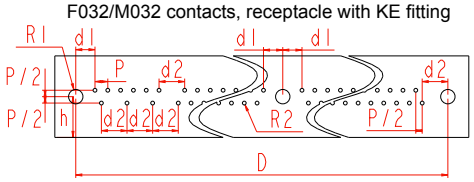



| D | $d_1$ | $d_2$ | p | $p_{/2}$ | $h_0$ | $h_1$ | $h_2$ | $R_1$ | $R_2$ |
|---|---|---|---|---|---|---|---|---|---|
| See previous page | 3,81 [.150] | 5,08 [.200] | 2,54 [.100] | 1,27 [.050] | 3 MAX [.118] | 1,9 [.075] | 0,64 [.025] | Ø 2,85 MIN [.112] | Ø 0,75 MIN [.030] |

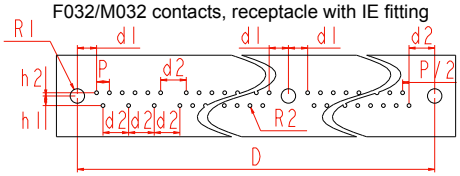
**Daughterboard**
F032/M032 contacts
**Receptacle with KET fittings or plug with A-D-AS-PA fittings**




F032/M032 contacts, receptacle with KE fitting




F032/M032 contacts, receptacle with IE fitting




All dimensions are given for information only and are in mm [inch], except as otherwise specified | *in mm: 1mm=0.03937 inch

# TOOLING



## Removal tools

### Removal tool pin ZC/ X / YC — 1272

- Rear release

### Removal tool pin Y — 24098

- Front release

### Removal tool socket YC/Z/X1 (HE 801 & HE804) — 1271

- Rear release

### Removal tool socket YC/Z/X1 (HE 807) — 24099

- Rear release

### Removal tool socket Y/YD — 20143

- Rear release

### Removal tool socket particular contacts (HE 807) — 23550

- Rear release

## Insertion tools

### Insertion tool pin X — 1275

- Insertion on the same side as removal
- Eased contact insertion

### Crimping tool pin X — HE 8 20 051

- AWG 26 to 22
- No additional turret

### Crimping tool socket X1 — 809801

- AWG 26 to 22
- Additional turret: 127.800.030
- Military reference: M22520/2-01

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Designed by Amphenol Socapex

# HOW TO ORDER - 127 SERIES

## MILITARY PART NUMBER

| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. |
|---|---|---|---|---|---|---|---|---|---|
| Series | Number of signal contacts | Fittings | Contact gender | Fitting material | Tail finish | Contact type | Connector type | Number of special contacts | Cavities marking |
| 127 | 33 | A | M | 1 | 4 | YC | | | |

### 1. Series

| | |
|---|---|
| 127 | 2-row connector (HE801 & HE804) |
| 127H | Hybrid connector (HE807) |
| 127T | 3-row connector |

### 2. Number of signal contacts

| | | |
|---|---|---|
| 127H | 0 | 41 |
| | 5 | 60 |
| | 17 | 84 |
| | 29 | |
| 127 | 17 | 65 |
| | 29 | 84 |
| | 33 | 72 |
| | 41 | 96 |
| | 53 | |
| 127T | 80 | 144 |

### 3. Fitting

| For receptacle (X: no fitting) | | |
|---|---|---|
| Fitting | Keying | Locking |
| KD/AD/KED/AED/KT/AT/KET/AET | ✓ | ✓ |
| K/A/P/B/KE/EL | ✓ | X |
| S/D/SC/DC | X | ✓ |
| **For plug (XL: no fitting)** | | |
| A/J/E/R | ✓ | X |
| PA/PC/T | X | X |
| D/S/EF/RF | X | ✓ |
| AS/JS/ES/RS/ET/RT | ✓ | ✓ |

### 4. Contact gender

| | |
|---|---|
| F | Female |
| M | Male |

### 5. Fitting material

| | |
|---|---|
| Blank | Nickel over brass |
| 1 | Passivated stainless steel |

### 6. Tail finish

| | |
|---|---|
| 1 | Tin lead on YC/Y/ZC/U/YL/YD & Gold on X/X1 |
| 4 | Lead free ✓ |

### 7. Contact type

| | |
|---|---|
| YC | Right angle PC tail |
| Y | Straight PC tail |
| YD | Straight PC tail (HE804 female only) |
| Z/ZC | Solder cup |
| X1/X | Crimp barrel |

### 8. Connector type

| | |
|---|---|
| Blank | HE804 connector |
| R | Male HE801 or HE807 connector |
| N | Female HE801 or HE807 connector |

### 9. Number of special contacts (HE807 only)

| | |
|---|---|
| 3A | Special contacts |
| 6A | |
| Blank | No special contact |
| 10 | Cavities marking |
| Blank | Standard |
| B | Reversed marking |

### 10. Cavities marking

| | |
|---|---|
| Blank | Standard |
| B | Reversed marking |



Due to technical progress, all information provided is subject to change without prior notice
Designed by Amphenol Socapex

# HOW TO ORDER - HE8 SERIES

## COMMERCIAL PART NUMBER

| 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. |
|---|---|---|---|---|---|---|---|
| Series | Connector type | Number of contacts | Termination style | Stiffening bar | Special contacts | Fitting | Tail finish |
| HE 807 | EN | 17 | Y0 | A | 3 | 212 | 3 |

### 1. Series

| | |
|---|---|
| HE801 | Signal only |
| HE804 | |
| HE807 | Hybrid (special contacts) |

### 2. Connector type

| | |
|---|---|
| FB | Female plug |
| FC | |
| FS | |
| FD | |
| FP | Male plug |
| FN | |
| EN | Male receptacle |
| EP | |
| ES | Female receptacle |
| EB | |

### 3. Number of contacts

| | |
|---|---|
| 0 | HE807 |
| 5 | |
| 17 | |
| 29 | |
| 41 | |
| 60 | |
| 84 | |
| 17 | HE801 & HE804 |
| 29 | |
| 33 | |
| 41 | |
| 53 | |
| 65 | |
| 72 | |
| 84 | |
| 96 | |

### 4. Termination style

| | |
|---|---|
| Y1 | Right angle PC tail |
| Y0 | Straight PC tail |
| Z1 | Solder cup |
| S11 | Crimp barrel |
| Blank | No signal contacts |

### 5. Stiffening bar

| | |
|---|---|
| A | Standard, without stiffening bar |
| B | With stiffening bar for connector with central fitting only |

### 6. Special contacts

| | |
|---|---|
| 3 | HE807 only |
| 6 | |

### 7. Fitting

| | HE801 | HE804 | HE807 | Keying | Locking | Comment |
|---|---|---|---|---|---|---|
| 000 | No fitting | | | | | |
| 101 | ✓ | ✓ | ✓ | ✓ | X | |
| 102 | ✓ | ✓ | ✓ | X | X | |
| 103 | ✓ | ✓ | ✓ | X | ✓ | *Plug* |
| 110 | X | ✓ | X | ✓ | X | |
| 111 | X | ✓ | X | ✓ | X | *Nickel over brass fitting* |
| 112 | X | ✓ | X | X | ✓ | |
| 117 | ✓ | ✓ | X | ✓ | X | *For stainless steel fitting, replace the 1** by a 3** in the designation* |
| 118 | ✓ | ✓ | X | ✓ | X | |
| 119 | ✓ | ✓ | X | X | ✓ | |
| 124 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 125 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 327 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 201 | X | ✓ | X | ✓ | X | |
| 203 | ✓ | ✓ | X | ✓ | X | |
| 208 | ✓ | X | ✓ | ✓ | X | |
| 209 | X | ✓ | X | ✓ | X | |
| 212 | ✓ | X | ✓ | ✓ | X | *Receptacle* |
| 213 | X | X | ✓ | X | ✓ | *Nickel over brass fitting* |
| 219 | ✓ | X | X | X | ✓ | |
| 220 | X | ✓ | X | X | ✓ | *For stainless steel fitting, replace the 2** by a 4** in the designation* |
| 221 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 223 | X | ✓ | X | ✓ | ✓ | |
| 224 | ✓ | X | ✓ | ✓ | ✓ | |
| 226 | X | X | ✓ | ✓ | X | |
| 228 | X | ✓ | X | ✓ | X | |
| 422 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 425 | ✓ | ✓ | ✓ | ✓ | ✓ | |

### 8. Tail finish

| | |
|---|---|
| 3 | Standard |
| 2 | S11 version |

✓: RoHS compliant

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Designed by Amphenol Socapex

# CROSS REF - HE8 SERIES - *HE801*

| HE801 connectors with 2 fitting locations (17, 29, 33, 41, 53 and 65 contacts) | | | | |
|---|---|---|---|---|
| Connectors delivered with fittings | | Connectors delivered without fitting + 2 separate fittings to be order separately | | |
| HE801 reference | 127 reference | 127 reference | and brass fittings | or stainless steel fittings |
| HE801 FB 17 Y1A 101 3 | 127 17 A F1YCN | 127 17 XL F1YCN | HE8C101 | HE8C301 |
| HE801 FP 17 Y1A 101 3 | 127 17 J M1YCR | 127 17 XL M1YCR | HE8C101 | HE8C301 |
| HE801 ES 17 Y0A 212 3 | 127 17 K F1YN | 127 17 X F1YN | HE8C212 | HE8C412 |
| HE801 ES 17 Z1A 212 3 | 127 17 K F1ZN | 127 17 X F1ZN | HE8C212 | HE8C412 |
| HE801 ES 17 S11A 212 2 | 127 17 K F1X1N | 127 17 X F1X1N | HE8C212 | HE8C412 |
| HE801 EN 17 Y0A 212 3 | 127 17 A M1YR | 127 17 X F1YR | HE8C212 | HE8C412 |
| HE801 EN 17 Z1A 212 3 | 127 17 A M1ZCR | 127 17 X F1ZCR | HE8C212 | HE8C412 |
| HE801 ES 17 S11A 000 2 | 127 17 X F1X1N | 127 17 XL F1X1N | NA | NA |
| HE801 FS 17 S11A 117 2 | 127 17 E F1X1N | 127 17 XL F1X1N | HE8C117 | HE8C317 |
| HE801 FS 17 S11A 000 2 | 127 17 XL F1X1N | 127 17 XL F1X1N | NA | NA |
| HE801 EN 17 Y0A 000 3 | 127 17 X M1YR | 127 17 X M1YR | NA | NA |
| HE801 FN 17 Y0A 117 3 | 127 17 R M1YR | 127 17 XL M1YR | HE8C117 | HE8C317 |
| HE801 FN 17 Y0A 119 3 | 127 17 RF M1YR | 127 17 XL M1YR | HE8C119 | HE8C319 |
| HE801 FN 17 Y0A 125 3 | 127 17 RS M1YR | 127 17 XL M1YR | HE8C125 | HE8C325 |
| HE801 EN 17 Y0A 203 3 | 127 17 B M1YR | 127 17 X M1YR | HE8C203 | HE8C403 |
| HE801 FN 17 Y0A 000 3 | 127 17 XL M1YR | 127 17 XL M1YR | NA | NA |
| HE801 FB 17 Y1A 000 3 | 127 17 XL F1YCN | 127 17 XL F1YCN | NA | NA |
| HE801 FB 17 Y1A 102 3 | 127 17 PA F1YCN | 127 17 XL F1YCN | HE8C102 | HE8C302 |
| HE801 FB 17 Y1A 103 3 | 127 17 D F1YCN | 127 17 XL F1YCN | HE8C103 | HE8C303 |
| HE801 EB 17 Y1A 208 3 | 127 17 KE F1YCN | 127 17 X F1YCN | HE8C208 | HE8C408 |
| HE801 EB 17 Y1A 000 3 | 127 17 X F1YCN | 127 17 X F1YCN | NA | NA |
| HE801 FP 17 Y1A 000 3 | 127 17 XL M1YCR | 127 17 XL M1YCR | NA | NA |
| HE801 FP 17 Y1A 102 3 | 127 17 PC M1YCR | 127 17 XL M1YCR | HE8C102 | HE8C302 |
| HE801 FP 17 Y1A 103 3 | 127 17 S M1YCR | 127 17 XL M1YCR | HE8C103 | HE8C303 |
| HE801 EP 17 Y1A 208 3 | 127 17 AE M1YCR | 127 17 X M1YCR | HE8C208 | HE8C408 |
| HE801 EP 17 Y1A 000 3 | 127 17 X M1YCR | 127 17 X M1YCR | NA | NA |
| HE801 ES 17 Y0A 000 3 | 127 17 X F1YN | 127 17 X F1YN | NA | NA |
| HE801 FS 17 Y0A 117 3 | 127 17 E F1YN | 127 17 XL F1YN | HE8C117 | HE8C317 |
| HE801 FS 17 Y0A 119 3 | 127 17 EF F1YN | 127 17 XL F1YN | HE8C119 | HE8C319 |
| HE801 FS 17 Y0A 125 3 | 127 17 ES F1YN | 127 17 XL F1YN | HE8C125 | HE8C325 |
| HE801 FS 17 Y0A 000 3 | 127 17 XL F1YN | 127 17 XL F1YN | NA | NA |
| HE801 ES 17 Z1A 000 3 | 127 17 X F1ZN | 127 17 X F1ZN | NA | NA |
| HE801 FS 17 Z1A 117 3 | 127 17 E F1ZN | 127 17 XL F1ZN | HE8C117 | HE8C317 |
| HE801 FS 17 Z1A 119 3 | 127 17 EF F1ZN | 127 17 XL F1ZN | HE8C119 | HE8C319 |
| HE801 FS 17 Z1A 125 3 | 127 17 ES F1ZN | 127 17 XL F1ZN | HE8C125 | HE8C325 |
| HE801 FS 17 Z1A 000 3 | 127 17 XL F1ZN | 127 17 XL F1ZN | NA | NA |
| HE801 EN 17 Z1A 000 3 | 127 17 X M1ZCR | 127 17 X M1ZCR | NA | NA |
| HE801 FN 17 Z1A 117 3 | 127 17 R M1ZCR | 127 17 XL M1ZCR | HE8C117 | HE8C317 |
| HE801 FN 17 Z1A 119 3 | 127 17 RF M1ZCR | 127 17 XL M1ZCR | HE8C119 | HE8C319 |
| HE801 FN 17 Z1A 125 3 | 127 17 RS M1ZCR | 127 17 XL M1ZCR | HE8C125 | HE8C325 |
| HE801 EN 17 Z1A 203 3 | 127 17 B M1ZCR | 127 17 X M1ZCR | HE8C203 | HE8C403 |
| HE801 EN 17 Z1A 219 3 | 127 17 D M1ZCR | 127 17 X M1ZCR | HE8C219 | HE8C419 |
| HE801 FN 17 Z1A 000 3 | 127 17 XL M1ZCR | 127 17 XL M1ZCR | NA | NA |



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Due to technical progress, all information provided is subject to change without prior notice
Designed by Amphenol Socapex

# CROSS REF - HE8 SERIES - *HE801*



| HE801 connectors with 3 fitting locations (72, 84 and 96 contacts) | | | | | | |
|---|---|---|---|---|---|---|
| Connectors delivered with fittings | | Connectors delivered without fitting + 3 separate fittings to be order separately | | | | |
| HE 801 references | 127 reference | 127 reference | and brass fittings | | or stainless steel fittings | |
| | | | 2 extremity fittings | 1 central fitting | 2 extremity fittings | 1 central fitting |
| HE801 FB 72 Y1A 101 3 | 127 72 A F1YCN | 127 72 XL F1YCN | HE8C101 | HE8C102 | HE8C301 | HE8C302 |
| HE801 FP 72 Y1A 101 3 | 127 72 J M1YCR | 127 72 XL M1YCR | HE8C101 | HE8C102 | HE8C301 | HE8C302 |
| HE801 ES 72 Y0A 212 3 | 127 72 K F1YN | 127 72 X F1YN | HE8C212 | HE8C229 | HE8C412 | HE8C429 |
| HE801 ES 72 Z1B 212 3 | 127 72 K F1ZN | 127 72 X F1ZN | HE8C212 | HE8C229 | HE8C412 | HE8C429 |
| HE801 FS 72 S11A 212 2 | 127 72 K F1X1N | 127 72 X F1X1N | HE8C212 | HE8C229 | HE8C412 | HE8C429 |
| HE801 EN 72 Y0A 212 3 | 127 72 A M1YR | 127 72 X M1YR | HE8C212 | HE8C229 | HE8C412 | HE8C429 |
| HE801 EN 72 Z1B 212 3 | 127 72 A M1ZCR | 127 72 X M1ZCR | HE8C212 | HE8C229 | HE8C412 | HE8C429 |
| HE801 ES 72 S11B 000 2 | 127 72 X F1X1N | 127 72 X F1X1N | NA | NA | NA | NA |
| HE801 FS 72 S11B 117 2 | 127 72 E F1X1N | 127 72 XL F1X1N | HE8C117 | HE8C129 | HE8C317 | HE8C329 |
| HE801 FS 72 S11B 000 2 | 127 72 XL F1X1N | 127 72 XL F1X1N | NA | NA | NA | NA |
| HE801 EN 72 Y0A 000 3 | 127 72 X M1YR | 127 72 X M1YR | NA | NA | NA | NA |
| HE801 FN 72 Y0A 117 3 | 127 72 R M1YR | 127 72 XL M1YR | HE8C117 | HE8C129 | HE8C317 | HE8C329 |
| HE801 FN 72 Y0A 119 3 | 127 72 RF M1YR | 127 72 XL M1YR | HE8C119 | HE8C129 | HE8C319 | HE8C329 |
| HE801 FN 72 Y0A 125 3 | 127 72 RS M1YR | 127 72 XL M1YR | HE8C125 | HE8C129 | HE8C325 | HE8C329 |
| HE801 EN 72 Y0A 203 3 | 127 72 B M1YR | 127 72 X M1YR | HE8C203 | HE8C229 | HE8C403 | HE8C429 |
| HE801 FN 72 Y0A 000 3 | 127 72 XL M1YR | 127 72 XL M1YR | NA | NA | NA | NA |
| HE801 FB 72 Y1A 000 3 | 127 72 XL F1YCN | 127 72 XL F1YCN | NA | NA | NA | NA |
| HE801 FB 72 Y1A 102 3 | 127 72 PA F1YCN | 127 72 XL F1YCN | HE8C102 | HE8C102 | HE8C302 | HE8C302 |
| HE801 FB 72 Y1A 103 3 | 127 72 D F1YCN | 127 72 XL F1YCN | HE8C103 | HE8C102 | HE8C303 | HE8C302 |
| HE801 EB 72 Y1A 208 3 | 127 72 KE F1YCN | 127 72 X F1YCN | HE8C208 | HE8C208 | HE8C408 | HE8C408 |
| HE801 EB 72 Y1A 000 3 | 127 72 X F1YCN | 127 72 X F1YCN | NA | NA | NA | NA |
| HE801 FP 72 Y1A 000 3 | 127 72 XL M1YCR | 127 72 XL M1YCR | NA | NA | NA | NA |
| HE801 FP 72 Y1A 102 3 | 127 72 PC M1YCR | 127 72 XL M1YCR | HE8C102 | HE8C102 | HE8C302 | HE8C302 |
| HE801 FP 72 Y1A 103 3 | 127 72 S M1YCR | 127 72 XL M1YCR | HE8C103 | HE8C102 | HE8C303 | HE8C302 |
| HE801 EP 72 Y1A 208 3 | 127 72 AE M1YCR | 127 72 X M1YCR | HE8C208 | HE8C208 | HE8C408 | HE8C408 |
| HE801 EP 72 Y1A 000 3 | 127 72 X M1YCR | 127 72 X M1YCR | NA | NA | NA | NA |
| HE801 ES 72 Y0A 000 3 | 127 72 X F1YN | 127 72 X F1YN | NA | NA | NA | NA |
| HE801 FS 72 Y0A 117 3 | 127 72 E F1YN | 127 72 XL F1YN | HE8C117 | HE8C129 | HE8C317 | HE8C329 |
| HE801 FS 72 Y0A 119 3 | 127 72 EF F1YN | 127 72 XL F1YN | HE8C119 | HE8C129 | HE8C319 | HE8C329 |
| HE801 FS 72 Y0A 125 3 | 127 72 ES F1YN | 127 72 XL F1YN | HE8C125 | HE8C129 | HE8C325 | HE8C329 |
| HE801 FS 72 Y0A 000 3 | 127 72 XL F1YN | 127 72 XL F1YN | NA | NA | NA | NA |
| HE801 ES 72 Z1B 000 3 | 127 72 X F1ZN | 127 72 X F1ZN | NA | NA | NA | NA |
| HE801 FS 72 Z1B 117 3 | 127 72 E F1ZN | 127 72 XL F1ZN | HE8C117 | HE8C129 | HE8C317 | HE8C329 |
| HE801 FS 72 Z1B 119 3 | 127 72 EF F1ZN | 127 72 XL F1ZN | HE8C119 | HE8C129 | HE8C319 | HE8C329 |
| HE801 FS 72 Z1B 125 3 | 127 72 ES F1ZN | 127 72 XL F1ZN | HE8C125 | HE8C129 | HE8C325 | HE8C329 |
| HE801 FS 72 Z1B 000 3 | 127 72 XL F1ZN | 127 72 XL F1ZN | NA | NA | NA | NA |
| HE801 EN 72 Z1B 000 3 | 127 72 X M1ZCR | 127 72 X M1ZCR | NA | NA | NA | NA |
| HE801 FN 72 Z1B 117 3 | 127 72 R M1ZCR | 127 72 XL M1ZCR | HE8C117 | HE8C129 | HE8C317 | HE8C329 |
| HE801 FN 72 Z1B 119 3 | 127 72 RF M1ZCR | 127 72 XL M1ZCR | HE8C119 | HE8C129 | HE8C319 | HE8C329 |
| HE801 FN 72 Z1B 125 3 | 127 72 RS M1ZCR | 127 72 XL M1ZCR | HE8C125 | HE8C129 | HE8C325 | HE8C329 |
| HE801 EN 72 Z1B 203 3 | 127 72 B M1ZCR | 127 72 X M1ZCR | HE8C203 | HE8C229 | HE8C403 | HE8C429 |
| HE801 EN 72 Z1B 219 3 | 127 72 D M1ZCR | | | | | |
| HE801 FN 72 Z1B 000 3 | 127 72 XL M1ZCR | 127 72 XL M1ZCR | NA | NA | NA | NA |
| HE801 ES 72 Z1A 000 3 | 127 72 X FA1ZN | 127 72 X FA1ZN | NA | NA | NA | NA |
| HE801 ES 72 Z1A 212 3 | 127 72 K FA1ZN | 127 72 X FA1ZN | HE8C212 | HE8C229 | HE8C412 | HE8C429 |
| HE801 FS 72 Z1A 117 3 | 127 72 E FA1ZN | 127 72 XL FA1ZN | HE8C117 | HE8C129 | HE8C317 | HE8C329 |
| HE801 FS 72 Z1A 000 3 | 127 72 XL FA1ZN | 127 72 XL FA1ZN | NA | NA | NA | NA |
| HE801 EN 72 Z1A 000 3 | 127 72 X MA1ZCR | 127 72 X MA1ZCR | NA | NA | NA | NA |
| HE801 EN 72 Z1A 212 3 | 127 72 A MA1ZCR | 127 72 X MA1ZCR | HE8C212 | HE8C229 | HE8C412 | HE8C429 |
| HE801 FN 72 Z1A 000 3 | 127 72 XL MA1ZCR | 127 72 XL MA1ZCR | NA | NA | NA | NA |

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Designed by Amphenol Socapex

# CROSS REF - HE8 SERIES - *HE804*

| HE804 connectors with 2 fitting locations (17, 29, 33, 41, 53 and 65 contacts) | | | | |
|---|---|---|---|---|
| Connectors delivered with fittings | | Connectors delivered without fitting + 2 separate fittings to be order separately | | |
| HE804 reference | 127 reference | 127 reference | and brass fittings | or stainless steel fittings |
| HE804 ES 17 S11B 000 2 | 127 17 X F1X1 | 127 17 X F1X1 | NA | NA |
| HE804 FS 17 S11B 110 2 | 127 17 E F1X1 | 127 17 XL F1X1 | HE8C110 | HE8C310 |
| HE804 FS 17 S11B 112 2 | 127 17 EF F1X1 | 127 17 XL F1X1 | HE8C112 | HE8C312 |
| HE804 FS 17 S11B 125 2 | 127 17 ES F1X1 | 127 17 XL F1X1 | HE8C125 | HE8C325 |
| HE804 ES 17 S11B 201 2 | 127 17 K F1X1 | 127 17 X F1X1 | HE8C201 | HE8C401 |
| HE804 EN 17 S21B 000 2 | 127 17 X M1X | 127 17 X M1X | NA | NA |
| HE804 FN 17 S21B 110 2 | 127 17 R M1X | 127 17 XL M1X | HE8C110 | HE8C310 |
| HE804 FN 17 S21B 112 2 | 127 17 RF M1X | 127 17 XL M1X | HE8C112 | HE8C312 |
| HE804 FN 17 S21B 125 2 | 127 17 RS M1X | 127 17 XL M1X | HE8C125 | HE8C325 |
| HE804 EN 17 S21B 201 2 | 127 17 A M1X | 127 17 X M1X | HE8C201 | HE8C401 |
| HE804 EN 17 S21B 203 2 | 127 17 B M1X | 127 17 X M1X | HE8C203 | HE8C403 |
| HE804 EN 17 S21B 220 2 | 127 17 D M1X | 127 17 X M1X | HE8C220 | HE8C420 |
| HE804 EN 17 Y0A 000 3 | 127 17 X M1Y | 127 17 X M1Y | NA | NA |
| HE804 FN 17 Y0A 110 3 | 127 17 R M1Y | 127 17 XL M1Y | HE8C110 | HE8C310 |
| HE804 FN 17 Y0A 112 3 | 127 17 RF M1Y | 127 17 XL M1Y | HE8C112 | HE8C312 |
| HE804 FN 17 Y0A 125 3 | 127 17 RS M1Y | 127 17 XL M1Y | HE8C125 | HE8C325 |
| HE804 EN 17 Y0A 201 3 | 127 17 A M1Y | 127 17 X M1Y | HE8C201 | HE8C401 |
| HE804 EN 17 Y0A 203 3 | 127 17 B M1Y | 127 17 X M1Y | HE8C203 | HE8C403 |
| HE804 FB 17 Y1A 000 3 | 127 17 XL F1YC | 127 17 XL F1YC | NA | NA |
| HE804 FB 17 Y1A 101 3 | 127 17 A F1YC | 127 17 XL F1YC | HE8C101 | HE8C301 |
| HE804 FB 17 Y1A 102 3 | 127 17 PA F1YC | 127 17 XL F1YC | HE8C102 | HE8C302 |
| HE804 FB 17 Y1A 103 3 | 127 17 D F1YC | 127 17 XL F1YC | HE8C103 | HE8C303 |
| HE804 EB 17 Y1A 209 3 | 127 17 KE F1YC | 127 17 X F1YC | HE8C209 | HE8C409 |
| HE804 FP 17 Y1A 000 3 | 127 17 XL M1YC | 127 17 XL M1YC | NA | NA |
| HE804 FP 17 Y1A 101 3 | 127 17 J M1YC | 127 17 XL M1YC | HE8C101 | HE8C301 |
| HE804 FP 17 Y1A 102 3 | 127 17 PC M1YC | 127 17 XL M1YC | HE8C102 | HE8C302 |
| HE804 FP 17 Y1A 103 3 | 127 17 S M1YC | 127 17 XL M1YC | HE8C103 | HE8C303 |
| HE804 EP 17 Y1A 209 3 | 127 17 AE M1YC | 127 17 X M1YC | HE8C209 | HE8C409 |
| HE804 ES 17 Y0A 000 3 | 127 17 X F1YD | 127 17 X F1YD | NA | NA |
| HE804 FS 17 Y0A 110 3 | 127 17 E F1YD | 127 17 XL F1YD | HE8C110 | HE8C310 |
| HE804 FS 17 Y0A 112 3 | 127 17 EF F1YD | 127 17 XL F1YD | HE8C112 | HE8C312 |
| HE804 FS 17 Y0A 125 3 | 127 17 ES F1YD | 127 17 XL F1YD | HE8C125 | HE8C325 |
| HE804 ES 17 Y0A 201 3 | 127 17 K F1YD | 127 17 X F1YD | HE8C201 | HE8C401 |
| HE804 ES 17 Z1A 000 3 | 127 17 X F1Z | 127 17 X F1Z | NA | NA |
| HE804 FS 17 Z1A 110 3 | 127 17 E F1Z | 127 17 XL F1Z | HE8C110 | HE8C310 |
| HE804 FS 17 Z1A 112 3 | 127 17 EF F1Z | 127 17 XL F1Z | HE8C112 | HE8C312 |
| HE804 FS 17 Z1A 125 3 | 127 17 ES F1Z | 127 17 XL F1Z | HE8C125 | HE8C325 |
| HE804 ES 17 Z1A 201 3 | 127 17 K F1Z | 127 17 X F1Z | HE8C201 | HE8C401 |
| HE804 EN 17 Z1A 000 3 | 127 17 X M1ZC | 127 17 X M1ZC | NA | NA |
| HE804 FN 17 Z1A 110 3 | 127 17 R M1ZC | 127 17 XL M1ZC | HE8C110 | HE8C310 |
| HE804 FN 17 Z1A 112 3 | 127 17 RF M1ZC | 127 17 XL M1ZC | HE8C112 | HE8C312 |
| HE804 FN 17 Z1A 125 3 | 127 17 RS M1ZC | 127 17 XL M1ZC | HE8C125 | HE8C325 |
| HE804 EN 17 Z1A 201 3 | 127 17 A M1ZC | 127 17 X M1ZC | HE8C201 | HE8C401 |
| HE804 EN 17 Z1A 203 3 | 127 17 B M1ZC | 127 17 X M1ZC | HE8C203 | HE8C403 |
| HE804 EN 17 Z1A 220 3 | 127 17 D M1ZC | 127 17 X M1ZC | HE8C220 | HE8C420 |



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Designed by Amphenol Socapex

# CROSS REF - HE8 SERIES - *HE804*



| HE804 connectors with 3 fitting locations (72, 84 and 96 contacts) | | | | | | |
|---|---|---|---|---|---|---|
| Connectors delivered with fittings | | Connectors delivered without fitting + 3 separate fittings to be order separately | | | | |
| HE 804 references | 127 reference | 127 reference | and brass fittings | | or stainless steel fittings | |
| | | | 2 extremity fittings | 1 central fitting | 2 extremity fittings | 1 central fitting |
| HE804 ES 72 S11A 000 2 | 127 72 X F1X1 | 127 72 X F1X1 | NA | NA | NA | NA |
| HE804 FS 72 S11A 110 2 | 127 72 E F1X1 | 127 72 XL F1X1 | HE8C110 | HE8C113 | HE8C310 | HE8C313 |
| HE804 FS 72 S11A 112 2 | 127 72 EF F1X1 | 127 72 XL F1X1 | HE8C112 | HE8C113 | HE8C312 | HE8C313 |
| HE804 FS 72 S11A 125 2 | 127 72 ES F1X1 | 127 72 XL F1X1 | HE8C125 | HE8C113 | HE8C325 | HE8C313 |
| HE804 ES 72 S11A 201 2 | 127 72 K F1X1 | 127 72 X F1X1 | HE8C201 | HE8C202 | HE8C401 | HE8C402 |
| HE804 EN 72 S21A 000 2 | 127 72 X M1X | 127 72 X M1X | NA | NA | NA | NA |
| HE804 FN 72 S21A 110 2 | 127 72 R M1X | 127 72 XL M1X | HE8C110 | HE8C113 | HE8C310 | HE8C313 |
| HE804 FN 72 S21A 112 2 | 127 72 RF M1X | 127 72 XL M1X | HE8C112 | HE8C113 | HE8C312 | HE8C313 |
| HE804 FN 72 S21A 125 2 | 127 72 RS M1X | 127 72 XL M1X | HE8C125 | HE8C113 | HE8C325 | HE8C313 |
| HE804 EN 72 S21A 201 2 | 127 72 A M1X | 127 72 X M1X | HE8C201 | HE8C202 | HE8C401 | HE8C402 |
| HE804 EN 72 S21A 203 2 | 127 72 B M1X | 127 72 X M1X | HE8C203 | HE8C202 | HE8C403 | HE8C402 |
| HE804 EN 72 S21A 220 2 | 127 72 D M1X | 127 72 X M1X | HE8C220 | HE8C202 | HE8C420 | HE8C402 |
| HE804 EN 72 Y0A 000 3 | 127 72 X M1Y | 127 72 X M1Y | NA | NA | NA | NA |
| HE804 FN 72 Y0A 110 3 | 127 72 R M1Y | 127 72 XL M1Y | HE8C110 | HE8C113 | HE8C310 | HE8C313 |
| HE804 FN 72 Y0A 112 3 | 127 72 RF M1Y | 127 72 XL M1Y | HE8C112 | HE8C113 | HE8C312 | HE8C313 |
| HE804 FN 72 Y0A 125 3 | 127 72 RS M1Y | 127 72 XL M1Y | HE8C125 | HE8C113 | HE8C325 | HE8C313 |
| HE804 EN 72 Y0A 201 3 | 127 72 A M1Y | 127 72 X M1Y | HE8C201 | HE8C202 | HE8C401 | HE8C402 |
| HE804 EN 72 Y0A 203 3 | 127 72 B M1Y | 127 72 X M1Y | HE8C203 | HE8C202 | HE8C403 | HE8C402 |
| HE804 FB 72 Y1A 000 3 | 127 72 XL F1YC | 127 72 XL F1YC | NA | NA | NA | NA |
| HE804 FB 72 Y1A 101 3 | 127 72 A F1YC | 127 72 XL F1YC | HE8C101 | HE8C102 | HE8C301 | HE8C302 |
| HE804 FB 72 Y1A 102 3 | 127 72 PA F1YC | 127 72 XL F1YC | HE8C102 | HE8C102 | HE8C302 | HE8C302 |
| HE804 FB 72 Y1A 103 3 | 127 72 D F1YC | 127 72 XL F1YC | HE8C103 | HE8C102 | HE8C303 | HE8C302 |
| HE804 EB 72 Y1A 209 3 | 127 72 KE F1YC | 127 72 X F1YC | HE8C209 | HE8C209 | HE8C409 | HE8C409 |
| HE804 FP 72 Y1A 000 3 | 127 72 XL M1YC | 127 72 XL M1YC | NA | NA | NA | NA |
| HE804 FP 72 Y1A 101 3 | 127 72 J M1YC | 127 72 XL M1YC | HE8C101 | HE8C102 | HE8C301 | HE8C302 |
| HE804 FP 72 Y1A 102 3 | 127 72 PC M1YC | 127 72 XL M1YC | HE8C102 | HE8C102 | HE8C302 | HE8C302 |
| HE804 FP 72 Y1A 103 3 | 127 72 S M1YC | 127 72 XL M1YC | HE8C103 | HE8C102 | HE8C303 | HE8C302 |
| HE804 EP 72 Y1A 209 3 | 127 72 AE M1YC | 127 72 X M1YC | HE8C209 | HE8C209 | HE8C409 | HE8C409 |
| HE804 ES 72 Y0A 000 3 | 127 72 X F1YD | 127 72 X F1YD | NA | NA | NA | NA |
| HE804 FS 72 Y0A 110 3 | 127 72 E F1YD | 127 72 XL F1YD | HE8C110 | HE8C113 | HE8C310 | HE8C313 |
| HE804 FS 72 Y0A 112 3 | 127 72 F F1YD | 127 72 XL F1YD | HE8C112 | HE8C113 | HE8C312 | HE8C313 |
| HE804 FS 72 Y0A 125 3 | 127 72 ES F1YD | 127 72 XL F1YD | HE8C125 | HE8C113 | HE8C325 | HE8C313 |
| HE804 ES 72 Y0A 201 3 | 127 72 K F1YD | 127 72 X F1YD | HE8C201 | HE8C202 | HE8C401 | HE8C402 |
| HE804 ES 72 Z1B 000 3 | 127 72 X F1Z | 127 72 X F1Z | NA | NA | NA | NA |
| HE804 FS 72 Z1B 110 3 | 127 72 E F1Z | 127 72 XL F1Z | HE8C110 | HE8C113 | HE8C310 | HE8C313 |
| HE804 FS 72 Z1B 112 3 | 127 72 EF F1Z | 127 72 XL F1Z | HE8C112 | HE8C113 | HE8C312 | HE8C313 |
| HE804 FS 72 Z1B 125 3 | 127 72 ES F1Z | 127 72 XL F1Z | HE8C125 | HE8C113 | HE8C325 | HE8C313 |
| HE804 ES 72 Z1B 201 3 | 127 72 K F1Z | 127 72 X F1Z | HE8C201 | HE8C202 | HE8C401 | HE8C402 |
| HE804 EN 72 Z1B 000 3 | 127 72 X M1ZC | 127 72 X M1ZC | NA | NA | NA | NA |
| HE804 FN 72 Z1B 110 3 | 127 72 R M1ZC | 127 72 XL M1ZC | HE8C110 | HE8C113 | HE8C310 | HE8C313 |
| HE804 FN 72 Z1B 112 3 | 127 72 RF M1ZC | 127 72 XL M1ZC | HE8C112 | HE8C113 | HE8C312 | HE8C313 |
| HE804 FN 72 Z1B 125 3 | 127 72 RS M1ZC | 127 72 XL M1ZC | HE8C125 | HE8C113 | HE8C325 | HE8C313 |
| HE804 EN 72 Z1B 201 3 | 127 72 A M1ZC | 127 72 X M1ZC | HE8C201 | HE8C202 | HE8C401 | HE8C402 |
| HE804 EN 72 Z1B 203 3 | 127 72 B M1ZC | 127 72 X M1ZC | HE8C203 | HE8C202 | HE8C403 | HE8C402 |
| HE804 EN 72 Z1B 220 3 | 127 72 D M1ZC | 127 72 X M1ZC | HE8C220 | HE8C202 | HE8C420 | HE8C402 |
| HE804 ES 72 Z1A 000 3 | 127 72 X FA1Z | 127 72 X FA1Z | NA | NA | NA | NA |
| HE804 FS 72 Z1A 110 3 | 127 72 E FA1Z | 127 72 XL FA1Z | HE8C110 | HE8C113 | HE8C310 | HE8C313 |
| HE804 FS 72 Z1A 112 3 | 127 72 F FA1Z | 127 72 XL FA1Z | HE8C112 | HE8C113 | HE8C312 | HE8C313 |
| HE804 FS 72 Z1A 125 3 | 127 72 ES FA1Z | 127 72 XL FA1Z | HE8C125 | HE8C113 | HE8C325 | HE8C313 |
| HE804 ES 72 Z1A 201 3 | 127 72 K FA1Z | 127 72 X FA1Z | HE8C201 | HE8C202 | HE8C401 | HE8C402 |
| HE804 EN 72 Z1A 000 3 | 127 72 X MA1ZC | 127 72 X MA1ZC | NA | NA | NA | NA |
| HE804 FN 72 Z1A 110 3 | 127 72 R MA1ZC | 127 72 XL MA1ZC | HE8C110 | HE8C113 | HE8C310 | HE8C313 |
| HE804 FN 72 Z1A 112 3 | 127 72 RF MA1ZC | 127 72 XL MA1ZC | HE8C112 | HE8C113 | HE8C312 | HE8C313 |
| HE804 FN 72 Z1A 125 3 | 127 72 RS MA1ZC | 127 72 XL MA1ZC | HE8C125 | HE8C113 | HE8C325 | HE8C313 |
| HE804 EN 72 Z1A 201 3 | 127 72 A MA1ZC | 127 72 X MA1ZC | HE8C201 | HE8C202 | HE8C401 | HE8C402 |
| HE804 EN 72 Z1A 203 3 | 127 72 B MA1ZC | 127 72 X MA1ZC | HE8C203 | HE8C202 | HE8C403 | HE8C402 |
| HE804 EN 72 Z1A 220 3 | 127 72 D MA1ZC | 127 72 X MA1ZC | HE8C220 | HE8C202 | HE8C420 | HE8C402 |

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Designed by Amphenol Socapex

# CROSS REF - HE8 SERIES - *HE807*

| HE807 connectors with 2 fitting locations | | | | |
|---|---|---|---|---|
| Connectors delivered with fittings | | Connectors delivered without fitting + 2 separate fittings to be order separately | | |
| HE807 reference | 127 reference | 127 reference | and brass fittings | or stainless steel fittings |
| **Asymetrical arrangements** | | | | |
| HE807 FB 17 Y1A 3 000 3 | 127H 17 XL F1YCN 3A | 127H 17 XL F1YCN 3A | NA | NA |
| HE807 FB 17 Y1A 3 101 3 | 127H 17 A F1YCN 3A | 127H 17 XL F1YCN 3A | HE8C101 | HE8C301 |
| HE807 FB 17 Y1A 3 102 3 | 127H 17 PA F1YCN 3A | 127H 17 XL F1YCN 3A | HE8C102 | HE8C302 |
| HE807 FB 17 Y1A 3 103 3 | 127H 17 D F1YCN 3A | 127H 17 XL F1YCN 3A | HE8C103 | HE8C303 |
| HE807 FB 17 Y1A 3 206 3 | 127H 17 IE F1YCN 3AB | 127H 17 XL F1YCN 3A | HE8C206 | HE8C406 |
| HE807 FB 17 Y1A 3 208 3 | 127H 17 KE F1YCN 3AB | 127H 17 XL F1YCN 3A | HE8C208 | HE8C408 |
| HE807 EP 17 Y1A 3 000 3 | 127H 17 X M1YCR 3A | 127H 17 X M1YCR 3A | NA | NA |
| HE807 EP 17 Y1A 3 101 3 | 127H 17 A M1YCR 3AB | 127H 17 X M1YCR 3A | HE8C101 | HE8C301 |
| HE807 EP 17 Y1A 3 102 3 | 127H 17 PA M1YCR 3AB | 127H 17 X M1YCR 3A | HE8C102 | HE8C302 |
| HE807 EP 17 Y1A 3 103 3 | 127H 17 D M1YCR 3AB | 127H 17 X M1YCR 3A | HE8C103 | HE8C303 |
| HE807 EP 17 Y1A 3 206 3 | 127H 17 IE M1YCR 3A | 127H 17 X M1YCR 3A | HE8C206 | HE8C406 |
| HE807 EP 17 Y1A 3 208 3 | 127H 17 KE M1YCR 3A | 127H 17 X M1YCR 3A | HE8C208 | HE8C408 |
| HE807 EN 17 Y0A 3 000 3 | 127H 17 X M1YR 3A | 127H 17 X M1YR 3A | NA | NA |
| HE807 EN 17 Y0A 3 212 3 | 127H 17 K M1YR 3A | 127H 17 X M1YR 3A | HE8C212 | HE8C412 |
| HE807 EN 17 Y0A 3 213 3 | 127H 17 S M1YR 3A | 127H 17 X M1YR 3A | HE8C213 | HE8C413 |
| HE807 EN 17 Y0A 3 117 3 | 127H 17 E M1YR 3AB | 127H 17 X M1YR 3A | HE8C117 | HE8C317 |
| HE807 FS 17 Y0A 3 000 3 | 127H 17 XL F1YN 3A | 127H 17 XL F1YN 3A | NA | NA |
| HE807 FS 17 Y0A 3 117 3 | 127H 17 E F1YN 3A | 127H 17 XL F1YN 3A | HE8C117 | HE8C317 |
| HE807 FS 17 Y0A 3 212 3 | 127H 17 K F1YN 3AB | 127H 17 XL F1YN 3A | HE8C212 | HE8C412 |
| HE807 FS 17 Y0A 3 213 3 | 127H 17 S F1YN 3AB | 127H 17 XL F1YN 3A | HE8C213 | HE8C413 |
| HE807 EN 17 Z1A 3 000 3 | 127H 17 X M1ZCR 3A | 127H 17 X M1ZCR 3A | NA | NA |
| HE807 EN 17 Z1A 3 212 3 | 127H 17 K M1ZCR 3A | 127H 17 X M1ZCR 3A | HE8C212 | HE8C412 |
| HE807 EN 17 Z1A 3 213 3 | 127H 17 S M1ZCR 3A | 127H 17 X M1ZCR 3A | HE8C213 | HE8C413 |
| HE807 EN 17 Z1A 3 117 3 | 127H 17 E M1ZCR 3AB | 127H 17 X M1ZCR 3A | HE8C117 | HE8C317 |
| HE807 FS 17 Z1A 3 000 3 | 127H 17 XL F1ZN 3A | 127H 17 XL F1ZN 3A | NA | NA |
| HE807 FS 17 Z1A 3 117 3 | 127H 17 E F1ZN 3A | 127H 17 XL F1ZN 3A | HE8C117 | HE8C417 |
| HE807 FS 17 Z1A 3 212 3 | 127H 17 K F1ZN 3AB | 127H 17 XL F1ZN 3A | HE8C212 | HE8C412 |
| HE807 FS 17 Z1A 3 213 3 | 127H 17 S F1ZN 3AB | 127H 17 XL F1ZN 3A | HE8C213 | HE8C413 |
| **Symetrical arrangements** | | | | |
| HE807 FB 17 Y1A 6 000 3 | 127H 17 XL F1YCN 6A | 127H 17 XL F1YCN 6A | NA | NA |
| HE807 FB 17 Y1A 6 101 3 | 127H 17 A F1YCN 6A | 127H 17 XL F1YCN 6A | HE8C101 | HE8C301 |
| HE807 FB 17 Y1A 6 102 3 | 127H 17 PA F1YCN 6A | 127H 17 XL F1YCN 6A | HE8C102 | HE8C302 |
| HE807 FB 17 Y1A 6 103 3 | 127H 17 D F1YCN 6A | 127H 17 XL F1YCN 6A | HE8C103 | HE8C303 |
| HE807 EB 17 Y1A 6 206 3 | 127H 17 IE F1YCN 6A | 127H 17 X F1YCN 6A | HE8C206 | HE8C406 |
| HE807 EB 17 Y1A 6 208 3 | 127H 17 KE F1YCN 6A | 127H 17 X F1YCN 6A | HE8C208 | HE8C408 |
| HE807 EB 17 Y1A 6 000 3 | 127H 17 X F1YCN 6A | 127H 17 X F1YCN 6A | NA | NA |
| HE807 FP 17 Y1A 6 101 3 | 127H 17 A M1YCR 6A | 127H 17 XL M1YCR 6A | HE8C101 | HE8C301 |
| HE807 FP 17 Y1A 6 000 3 | 127H 17 XL M1YCR 6A | 127H 17 XL M1YCR 6A | NA | NA |
| HE807 EP 17 Y1A 6 208 3 | 127H 17 KE M1YCR 6A | 127H 17 X M1YCR 6A | HE8C208 | HE8C408 |
| HE807 ES 17 Y0A 6 000 3 | 127H 17 X F1YN 6A | 127H 17 X F1YN 6A | NA | NA |
| HE807 FS 17 Y0A 6 117 3 | 127H 17 E F1YN 6A | 127H 17 XL F1YN 6A | HE8C117 | HE8C317 |
| HE807 FS 17 Y0A 6 000 3 | 127H 17 XL F1YN 6A | 127H 17 XL F1YN 6A | NA | NA |
| HE807 FS 17 Y0A 6 119 3 | 127H 17 EF F1YN 6A | 127H 17 XL F1YN 6A | HE8C119 | HE8C319 |
| HE807 ES 17 Y0A 6 212 3 | 127H 17 K F1YN 6A | 127H 17 X F1YN 6A | HE8C212 | HE8C412 |
| HE807 EN 17 Y0A 6 000 3 | 127H 17 X M1YR 6A | 127H 17 X M1YR 6A | NA | NA |
| HE807 FN 17 Y0A 6 117 3 | 127H 17 E M1YR 6A | 127H 17 XL M1YR 6A | HE8C117 | HE8C317 |
| HE807 FN 17 Y0A 6 000 3 | 127H 17 XL M1YR 6A | 127H 17 XL M1YR 6A | NA | NA |
| HE807 EN 17 Y0A 6 212 3 | 127H 17 K M1YR 6A | 127H 17 X M1YR 6A | HE8C212 | HE8C412 |
| HE807 ES 17 Z1A 6 000 3 | 127H 17 X F1ZN 6A | 127H 17 X F1ZN 6A | NA | NA |
| HE807 FS 17 Z1A 6 117 3 | 127H 17 E F1ZN 6A | 127H 17 XL F1ZN 6A | HE8C117 | HE8C317 |
| HE807 FS 17 Z1A 6 000 3 | 127H 17 XL F1ZN 6A | 127H 17 XL F1ZN 6A | NA | NA |
| HE807 ES 17 Z1A 6 212 3 | 127H 17 K F1ZN 6A | 127H 17 X F1ZN 6A | HE8C212 | HE8C412 |
| HE807 ES 17 Z1A 6 213 3 | 127H 17 S F1ZN 6A | 127H 17 X F1ZN 6A | HE8C213 | HE8C413 |
| HE807 EN 17 Z1A 6 000 3 | 127H 17 X M1ZCR 6A | 127H 17 X M1ZCR 6A | NA | NA |
| HE807 FN 17 Z1A 6 117 3 | 127H 17 E M1ZCR 6A | 127H 17 XL M1ZCR 6A | HE8C117 | HE8C317 |
| HE807 FN 17 Z1A 6 000 3 | 127H 17 XL M1ZCR 6A | 127H 17 XL M1ZCR 6A | NA | NA |
| HE807 EN 17 Z1A 6 212 3 | 127H 17 K M1ZCR 6A | 127H 17 X M1ZCR 6A | HE8C212 | HE8C412 |
| HE807 EN 17 Z1A 6 213 3 | 127H 17 S M1ZCR 6A | 127H 17 X M1ZCR 6A | HE8C213 | HE8C413 |
| ES 17-29-41 ONLY ON S1 | | | | |
| HE807 ES 17 S11A 6 000 2 | 127H 17 X F1X1N 6A | 127H 17 X F1X1N 6A | NA | NA |
| HE807 FS 17 S11A 6 117 2 | 127H 17 E F1X1N 6A | 127H 17 XL F1X1N 6A | HE8C117 | HE8C317 |
| HE807 FS 17 S11A 6 000 2 | 127H 17 XL F1X1N 6A | 127H 17 XL F1X1N 6A | NA | NA |
| HE807 ES 17 S11A 6 212 2 | 127H 17 K F1X1N 6A | 127H 17 X F1X1N 6A | HE8C212 | HE8C412 |
| HE807 ES 17 S11A 6 213 2 | 127H 17 S F1X1N 6A | 127H 17 X F1X1N 6A | HE8C213 | HE8C413 |

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# CROSS REF - HE8 SERIES - *HE807*



| HE807 connectors with 3 fitting locations | | | | | | |
|---|---|---|---|---|---|---|
| Connectors delivered without fitting + 3 separate fittings to be order separately | | | | | | |
| HE 804 references | 127 reference | 127 reference | and brass fittings | | or stainless steel fittings | |
| | | | 2 extremity fittings | 1 central fitting | 2 extremity fittings | 1 central fitting |
| Asymetrical arrangements | | | | | | |
| HE807 FB 84 Y1A 3 000 3 | 127H 84 XL F1YCN 3A | 127H 84 XL F1YCN 3A | NA | NA | NA | NA |
| HE807 FB 84 Y1A 3 101 3 | 127H 84 A F1YCN 3A | 127H 84 XL F1YCN 3A | HE8C101 | HE8C102 | HE8C301 | HE8C302 |
| HE807 FB 84 Y1A 3 102 3 | 127H 84 PA F1YCN 3A | 127H 84 XL F1YCN 3A | HE8C102 | HE8C102 | HE8C302 | HE8C302 |
| HE807 FB 84 Y1A 3 103 3 | 127H 84 D F1YCN 3A | 127H 84 XL F1YCN 3A | HE8C103 | HE8C102 | HE8C303 | HE8C302 |
| HE807 FB 84 Y1A 3 206 3 | 127H 84 IE F1YCN 3AB | 127H 84 XL F1YCN 3AB | HE8C206 | HE8C206 | HE8C406 | HE8C406 |
| HE807 FB 84 Y1A 3 208 3 | 127H 84 KE F1YCN 3AB | 127H 84 XL F1YCN 3AB | HE8C208 | HE8C208 | HE8C408 | HE8C408 |
| HE807 EP 84 Y1A 3 000 3 | 127H 84 X M1YCR 3A | 127H 84 X M1YCR 3A | NA | NA | NA | NA |
| HE807 EP 84 Y1A 3 101 3 | 127H 84 A M1YCR 3AB | 127H 84 X M1YCR 3A | HE8C101 | HE8C102 | HE8C301 | HE8C302 |
| HE807 EN 84 Y0A 3 000 3 | 127H 84 X M1YR 3A | 127H 84 X M1YR 3A | NA | NA | NA | NA |
| HE807 EN 84 Y0A 3 212 3 | 127H 84 K M1YR 3A | 127H 84 X M1YR 3A | HE8C212 | HE8C229 | HE8C412 | HE8C429 |
| HE807 EN 84 Y0A 3 117 3 | 127H 84 E M1YR 3AB | 127H 84 X M1YR 3A | HE8C117 | HE8C129 | HE8C317 | HE8C329 |
| HE807 FS 84 Y0A 3 000 3 | 127H 84 XL F1YN 3A | 127H 84 XL F1YN 3A | NA | NA | NA | NA |
| HE807 FS 84 Y0A 3 212 3 | 127H 84 K F1YN 3AB | 127H 84 XL F1YN 3A | HE8C212 | HE8C229 | HE8C412 | HE8C429 |
| HE807 EN 84 Z1B 3 000 3 | 127H 84 X M1ZCR 3A | 127H 84 X M1ZCR 3A | NA | NA | NA | NA |
| HE807 EN 84 Z1B 3 212 3 | 127H 84 K M1ZCR 3A | 127H 84 X M1ZCR 3A | HE8C212 | HE8C229 | HE8C412 | HE8C429 |
| HE807 EN 84 Z1B 3 119 3 | 127H 84 EF M1ZCR 3AB | 127H 84 X M1ZCR 3A | HE8C119 | HE8C129 | HE8C319 | HE8C329 |
| HE807 FS 84 Z1B 3 000 3 | 127H 84 XL F1ZN 3A | 127H 84 XL F1ZN 3A | NA | NA | NA | NA |
| HE807 FS 84 Z1B 3 212 3 | 127H 84 K F1ZN 3AB | 127H 84 XL F1ZN 3A | HE8C212 | HE8C229 | HE8C412 | HE8C429 |
| Symetrical arrangements | | | | | | |
| 72 + 6A ONLY ON S1 | | | | | | |
| HE807 ES 72 S11A 6 000 2 | 127H 72 X F1X1N 6A | 127H 72 X F1X1N 6A | | | | |
| HE807 FS 72 S11A 6 000 2 | 127H 72 XL F1X1N 6A | 127H 72 XL F1X1N 6A | | | | |

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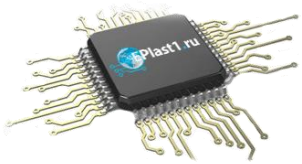
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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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