# FOXCONN

## SPECIFICATIONS

### Mechanical
**Contact Retention Force**: 1.36kg min.

### Electrical
*Current Rating:* 3A Per Pin Min.
*Dielectric Withstanding Voltage:* 1000V RMS
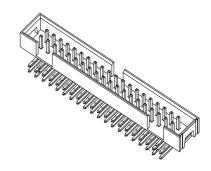*Insulation Resistance:* 1000MW min.

### Physical
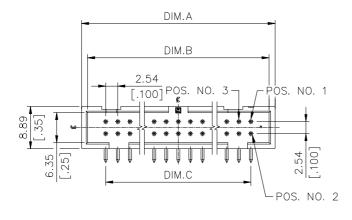*Housing:* High temperature, UL 94V-0 Color Black
*Contact:* Copper Alloy
*Plating:* See "ORDERING INFORMATION"
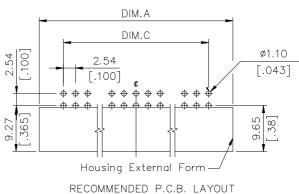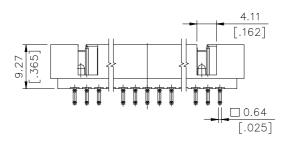*Operating Temperature:* -55    to +105

## SHROUDED Connector
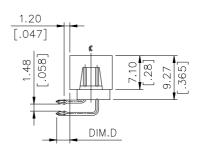
**HL35 Series**
**R/A, T/H Type**
**Plug**
**2.54mmX2.54mm**
**[.100] X [.100] Pitch**



## DRAWING



RECOMMENDED P.C.B. LAYOUT

Housing External Form

## ORDERING INFORMATION

PRODUCT NO.: H L 3 5 * * * - * * * *

Header
Shrouded Header
Termination&Contact Type
No. Of Pos
05 = 05 Pos
....
....
25 = 25 Pos

See Drawing No.307-0000-297
NONE: DIM. D=2.79mm
L: DIM. D=2.29mm

Contact Area Plating
1= Gold Flish
3=30u" Gold
6=10u" Gold
7=15u" Gold
F=Gold Flish With Lead Free RoHS COMPLIANCE
v=15u" Min Gold With Lead Free RoHS COMPLIANCE
E=Tin Plated  With Lead Free RoHS COMPLIANCE
H=30 u" Min Gold With Lead Free RoHS COMPLIANCE

**See The Attachment 1**

H L NN NN N - (X) (XX) XN

(1) (2)

| CODE | DESCRIPTION |
|------|-------------|
| NONE | STANDARD PRODUCT |
| D0 | 1st PIN IS REMOVED |
| D1 | LAST PIN IS REMOVED |
| D2 | 20th PIN IS REMOVED |
| D3 | 21th PIN IS REMOVED |
| D4 | 8th PIN IS REMOVED |
| D6 | 25th PIN IS REMOVED |
| D7 | 26th PIN IS REMOVED |
| D8 | 28th PIN IS REMOVED |
| D9 | 15th PIN IS REMOVED |
| E2 | 22th PIN IS REMOVED |
| E3 | 30th PIN IS REMOVED |
| E4 | 38th PIN IS REMOVED |
| P0 | 4th PIN IS REMOVED |
| P1 | 6th PIN IS REMOVED |
| P3 | 7th PIN IS REMOVED |
| P4 | 5th PIN IS REMOVED |
| P5 | 10th PIN IS REMOVED |
| P6 | 2nd PIN IS REMOVED |
| P7 | 3rd PIN IS REMOVED |
| P8 | 17th PIN IS REMOVED |
| P9 | 9th PIN IS REMOVED |
| L1 | 12th PIN IS REMOVED |
| L3 | 32th PIN IS REMOVED |
| L5 | 18th PIN IS REMOVED |
| L6 | 14th PIN IS REMOVED |
| L7 | 16th PIN IS REMOVED |
| L8 | 1st&2nd&3rd&4th&14th&15th &16th PIN IS REMOVED |
| L9 | 25th PIN IS REMOVED |
| T2 | 3rd,25th,26th PIN IS REMOVED |
| T3 | 8th & LAST PINS ARE REMOVED |
| T4 | 3rd,19th,20th&29th PINS ARE REMOVED |
| T5 | 8th & 9th PINS ARE REMOVED |
| T6 | 3rd & the last PINS ARE REMOVED |
| T7 | 8th & 19th PINS ARE REMOVED |
| T8 | 30th & 32th PINS ARE REMOVED |
| T9 | 25th,27th & 28th PINS ARE REMOVED |
| U0 | 3rd,5th,7th &9th PINS ARE REMOVED |
| U1 | 3rd & 5th PINS ARE REMOVED |
| U2 | 11th PIN IS REMOVED |
| U3 | 19th PIN IS REMOVED |
| U4 | 13th PIN IS REMOVED |
| U5 | 13th,15th &16th PIN IS REMOVED |

| CODE | DESCRIPTION |
|------|-------------|
| NONE | STANDARD PRODUCT |
| U6 | 4th & 7th PINS ARE REMOVED |
| U7 | 8th & 13th PINS ARE REMOVED |
| U8 | 4th 5th & 6th PINS ARE REMOVED |
| U9 | 1st & 11 pins are removed. |

REMARK: (1) NONE: STANDARD PRODUCT
(X): TO BE SPECIFIED ON CORREL. CUSTOMER DWG

(2) NONE: STANDARD PRODUCT (COLOR BLACK)
K: THE FIRST & LAST PAIRS OF TERMINALS
ARE DEFORMED WITH KINKS
W: HOUSING COLOR IVORY, PANTONE WARM GRAY 1C
U: HOUSING COLOR BLUE, PANTONE2935C
R: HOUSING COLOR RED, PANTONE 199C
G: HOUSING COLOR GREEN, PANTONE 346U
KW: THE FIRST & LAST PAIRS OF TERMINALS
ARE DEFORMED WITH KINKS, HOUSING
K3: THE FIRST & LAST PAIRS OF TERMINALS
ARE DEFORMED WITH KINKS (SPECIAL MODIFICATION CODE)
(3) FOR REMOVED PIN(S) LOCATED AT FIRST OR LAST PAIR,KINK
POSITION(S) SHOULD BE CHANGED TO THE NEAREST PAIR

# See The Attachment 1

| P/N | POS. | DIM. A | DIM. B | DIM. C |
|-----|------|--------|--------|--------|
| HL3525*−**** | 50 | 71.12 [2.802] | 68.58 [2.702] | 60.96 [2.402] |
| HL3520*−**** | 40 | 58.42 [2.302] | 55.88 [2.202] | 48.26 [1.901] |
| HL3517*−**** | 34 | 50.80 [2.002] | 48.26 [1.901] | 40.64 [1.601] |
| HL3515*−**** | 30 | 45.72 [1.801] | 43.18 [1.701] | 35.56 [1.401] |
| HL3513*−**** | 26 | 40.64 [1.601] | 38.10 [1.501] | 38.48 [1.516] |
| HL3512*−**** | 24 | 38.10 [1.501] | 35.56 [1.401] | 27.94 [1.101] |
| HL3510*−**** | 20 | 33.02 [1.301] | 30.48 [1.201] | 22.86 [.901] |
| HL3505*−**** | 10 | 20.32 [.801] | 17.78 [.701] | 10.16 [.400] |

All specification & dimensions are subject to change, please call your nearest Foxconn sales representative for update information.