

PC BOARD SOCKETS

For Ø0.6 - 0.8 Pins

H8505-XX	H8501-XX*	H8504-XX
Min pin length: 4.20mm Max pin length: 4.35mm Mounting hole Ø: 1.91/2.01	Min pin length: 4.20mm Max pin length: 4.50mm Mounting hole Ø: 1.91/1.96	Min pin length: 4.20mm Max pin length: 4.50mm Mounting hole Ø: 1.91/2.01

*Assemble using a bench press

Order Codes			
Tin shell, tin contact	H8505-T6	H8501-T6	H8504-T6
Tin shell, gold contact	H8505-01	H8501-01	H8504-01
Gold shell, gold contact	H8505-05	H8501-05	H8504-05

H8062-XX Unsealed	H8063-XX Sealed	H8078-XX Unsealed	H8079-XX Sealed
Min pin length: 2.80mm Max pin length: 6.60mm Mounting hole Ø: 1.80/1.90	Min pin length: 2.80mm Max pin length: 6.60mm Mounting hole Ø: 1.80/1.90	Min pin length: 2.80mm Max pin length: 4.45mm Mounting hole Ø: 1.22/1.32	Min pin length: 2.80mm Max pin length: 4.45mm Mounting hole Ø: 1.22/1.32

Order Code				
Tin shell, gold contact	H8062-01	H8063-01	H8078-01	H8079-01

Customer Information Sheet

DRAWING No:- H8501-XX

SHEET 2 OF 2

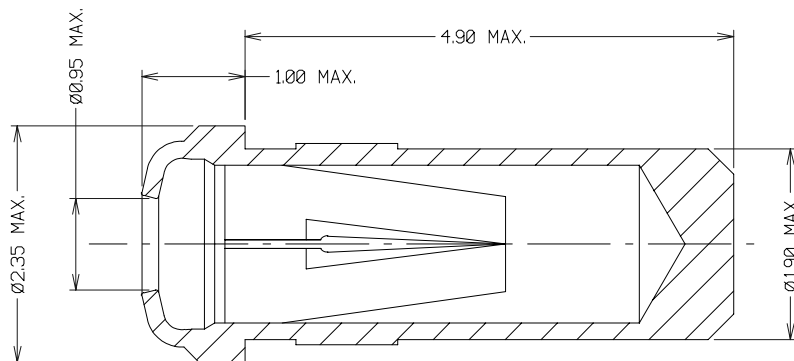
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



ORDER CODE:

H8501-XX

FINISH

01 = TIN SHELL, GOLD CLIP

05 = GOLD SHELL, GOLD CLIP

T6 = TIN SHELL, TIN CLIP

SPECIFICATION

MATERIALS:

SOCKET = BRASS

CLIP = BERYLLIUM COPPER

FINISH:

01 = SHELL 3.5-5.0µ 90/10 TIN/LEAD, CLIP 0.10-0.15µ GOLD

05 = SHELL 0.05-0.10µ GOLD, CLIP 0.10-0.15µ GOLD

T6 = SHELL 3.5-5.0µ 90/10 TIN/LEAD, CLIP 3.0µ 90/10 TIN/LEAD

ELECTRICAL:

CURRENT RATING AT 25°C = 100A MAX.

CURRENT RATING AT 85°C = 7.5A MAX.

CONTACT RESISTANCE = 10 MILLIOHMS MAX.

MECHANICAL:

DURABILITY = 1000 OPERATIONS GOLD, 100 OPERATIONS TIN

INSERTION FORCE WITH 0.80mm PIN = 5.0N MAX, 1.5N MIN.

WITHDRAWAL FORCE WITH 0.80mm PIN = 3.0N MAX, 1.0N MIN.

ENVIRONMENTAL:

TEMPERATURE RANGE = -40°C TO +105°C

FOR COMPLETE ELECTRICAL AND MECHANICAL SPECIFICATIONS,
SEE COMPONENT SPECIFICATION C010XX (LATEST ISSUE).

NOTES:

1. RECOMMENDED MOUNTING HOLE SIZE 0.196-0.191mm.

2. RECOMMENDED MATING PIN = 0.85-0.60mm.

3. MINIMUM PIN LENGTH = 4.25mm.

MAXIMUM PIN LENGTH = 4.65mm.

8	24.11.97	4170
7	09.04.97	3845
6	03.03.97	3777
ISS.	DATE	C/N
APPROVED:		
CHECKED:		
DRAWN: D. BECK		
CUSTOMER REF.		
ASSEMBLY DRG:		

HARWIN

TOLERANCES

X: = ±1mm

X.X = ±0.25mm

X.XX = ±0.10mm

X.XXX = ±0.01mm

ANGLES = ±1°

UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH: SEE ABOVE

S/AREA:

mm²

TITLE:

0.8mm SOCKET ASSEMBLY

DRAWING NUMBER:

H8501-XX

SHT
2
OF
2

HARWIN INC

U.S.A.

TEL: (812) 285 0055

FAX: (812) 285 0056

HARWIN PLC

UK.

TEL: 01705 370451

FAX: 01705 314590

HARWIN PTE

SINGAPORE

TEL: 65 7794909

FAX: 65 7793868

Customer Information Sheet

DRAWING No.- H8504-XX

SHEET 2 OF 2

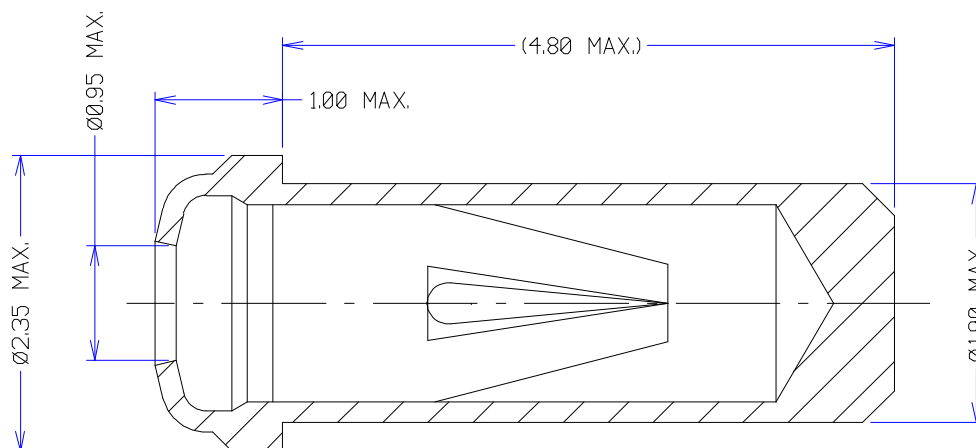
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



ORDER CODE:

H8504-XX

FINISH:

Ø1 = TIN SHELL, GOLD CLIP
Ø5 = GOLD SHELL, GOLD CLIP
T6 = TIN SHELL, TIN CLIP

SPECIFICATION

MATERIALS:

SOCKET = BRASS

CLIP = BERYLLIUM COPPER

FINISH:

Ø1 = SHELL 3.5-5.0µ 90/10 TIN/LEAD, CLIP 0.10-0.15µ GOLD

Ø5 = SHELL 0.05-0.10µ GOLD, CLIP 0.10-0.15µ GOLD

T6 = SHELL 3.5-5.0µ 90/10 TIN/LEAD, CLIP 3.0µ 90/10 TIN/LEAD

ELECTRICAL:

CURRENT RATING AT 25°C = 10.0A MAX.

CURRENT RATING AT 85°C = 7.5A MAX.

CONTACT RESISTANCE = 10 MILLIOHMS MAX.

MECHANICAL:

DURABILITY = 1000 OPERATIONS GOLD, 100 OPERATIONS TIN

INSERTION FORCE WITH Ø0.80 PIN = 5.0N MAX, 1.5N MIN.

WITHDRAWAL FORCE WITH Ø0.80mm PIN = 3.0N MAX, 1.0N MIN.

ENVIRONMENTAL:

TEMPERATURE RANGE = -40°C TO +105°C

FOR COMPLETE ELECTRICAL AND MECHANICAL SPECIFICATIONS,
SEE COMPONENT SPECIFICATION C010XX (LATEST ISSUE).

NOTES:

1. RECOMMENDED MOUNTING HOLE SIZE Ø1.96-1.91mm.

2. RECOMMENDED MATING PIN = Ø0.85-0.60mm

3. MINIMUM PIN LENGTH = 4.20mm.

MAXIMUM PIN LENGTH = 4.65mm.

7	24.11.97	4170
6	31.08.95	3038
5	27.05.93	2286
4	27.08.92	2074
3	08.05.89	1443
2	27.04.89	1434
1	05.10.88	1785

ISS.	DATE	C/N
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APPROVED:

CHECKED:

DRAWN: D. BECK

CUSTOMER REF.

ASSEMBLY DRG:

HARWIN

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TOLERANCES

X. = ±1mm
X.X = ±0.25mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
ANGLES = ±1°
UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH: SEE ABOVE

S/AREA: mm²

TITLE:

Ø0.8mm SOCKET ASSEMBLY

DRAWING NUMBER:

H8504-XX

SHT
2
OF
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