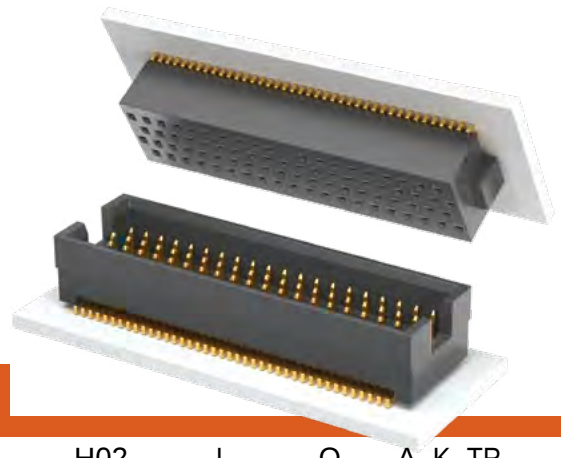


WORLDPO

1.27 mm PITCH • WTOLC/WSOLC SERIES



WTOLC

Mates:
WSOLC

WSOLC

Mates:
WTOLC

SPECIFICATIONS

Insulator Material:
Black Liquid Crystal Polymer
Contact Material:
Phosphor Bronze
Plating:
Au over 50 μ " (1.27 μ m) Ni
Current Rating:
2.4 A per pin
(6 adjacent pins powered)
Operating Temp Range:
-55 °C to +125 °C
Insertion Depth (WSOLC):
1.68 mm to
3.61 mm with
0.38 mm wipe
Max Cycles (WSOLC):
100+

PROCESSING

Lead-Free Solderable:
Yes
SMT Lead Coplanarity:
0.10 mm max (05-35)
0.15 mm max (40-50)
stencil solution
may be available;

WTOLC	-	4X	05	H02	L	Q	A K TR
WTOLC	-	4X	NO.PINS PER ROW	LEAD STYLE	PLATING OPTION	Q	OTHER OPTION

05, 10, 15, 20, 25,
30, 35, 40, 45, 50
(Standard Sizes)

Specify
LEAD
STYLE
from
chart

F
= Gold flash
on contact,
Gold flash
on tail

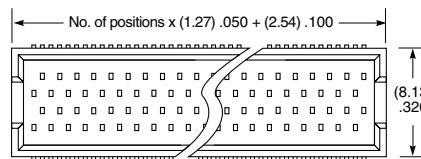
L
= 10 μ "
(0.25 μ m)
Gold on
contact,
Gold flash
on tail

A
= Alignment Pin
(N/A with LC)

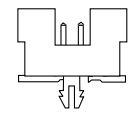
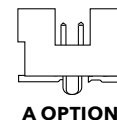
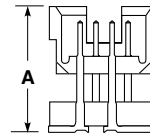
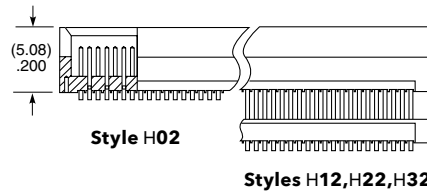
LC
= Locking Clip
(N/A with A)
(Manual
placement required)

K
= (9.00 mm) .354" DIA
Polyimide film
Pick & Place Pad

TR
= Tape & Reel



LEAD STYLE	A	MATED HEIGHT
H02	(5.59) .220	(6.35) .250
H12	(7.24) .285	(8.00) .315
H22	(9.25) .364	(10.00) .394
H32	(11.23) .442	(12.00) .472



A OPTION

LC OPTION

WSOLC	-	4X	05	H02	L	Q	A K TR
WSOLC	-	4X	NO.PINS PER ROW	H02	PLATING OPTION	Q	OTHER OPTION

05, 10, 15, 20, 25,
30, 35, 40, 45, 50
(Standard Sizes)

F
= Gold flash
on contact,
Gold flash
on tail

L
= 10 μ " (0.25 μ m)
Gold on contact,
Gold flash
on tail

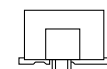
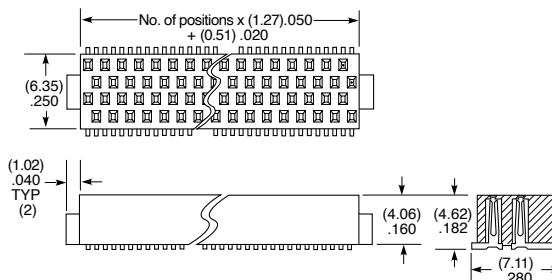
A
= Alignment Pin
(N/A with LC)

LC
= Locking Clip
(N/A with A)
(Manual
placement required)

K
= (7.00 mm) .276" DIA
Polyimide film
Pick & Place Pad

P
= Pick & Place Pad

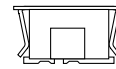
TR
= Tape & Reel



A OPTION

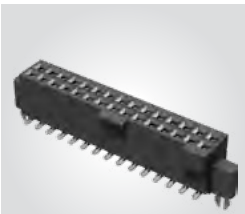


LC OPTION



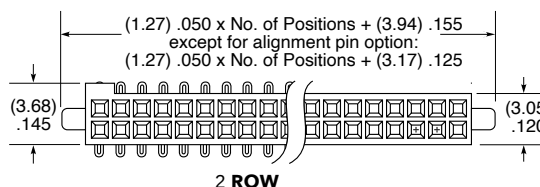
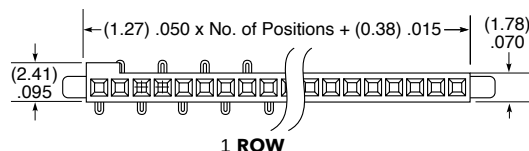
P OPTION

Note:
Some lengths, styles and
options are non-standard,
non-returnable.

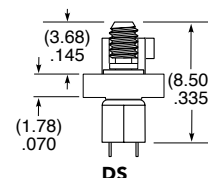
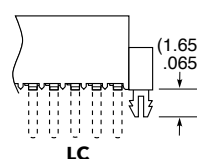
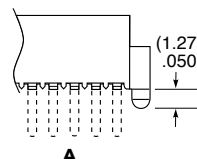
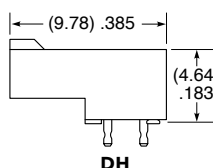
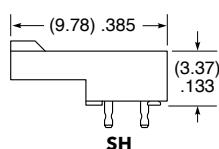
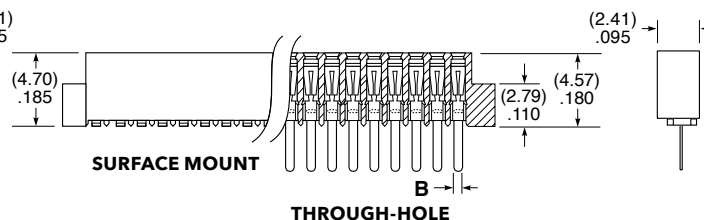
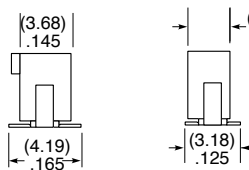
WSFM - 2		05	HL2		L	D	A	
SERIES	2	NO. PINS PER ROW	LEAD STYLE		PLATING OPTION	ROW OPTION	OPTIONS	
WSFM = Standard	1,2 Row	03, 04, 06, 08 (WSFM only)	(Surface Mount)	(Through-hole)	L = 10 μ"	D	Specify only A, LC or DS (Not available with DH, SH)	Specify only K or P (Lead styles H02, HL2, HT2 only)
WSFML = Locking		05, 07, 10, 15, 20, 25, 30, 35, 40, 45, 50 (Standard sizes)	H02 Contact (BeCu)	H01, H03 Contact (BeCu)	Gold on contact, Matte Tin on tail	SH = Single Horizontal (05 thru 30 positions only) (WSFM only) (Lead style H02 only)	A = Alignment Pin	K = Polyimide film Pick & Place Pad (Not available with DH, -SH)
			HL2 = Low Insertion Force Contact (BeCu)	HL1, HL3 = Low Insertion Force Contact (BeCu)	S = 30 μ"	) DH = Double Horizontal (05 thru 30 positions only) (WSFM only) (Lead style H02 only)	LC = Locking Clip (Manual placement required)	P = Plastic Pick & Place Pad (Not available with DH, SH)
			HT2 LITE Contact (Phosphor Bronze)	HT1 LITE Contact (Phosphor Bronze)	Gold on contact, Matte Tin on tail		DS = Dual Screw Down for (1.60 mm) .062" PCB (05 thru 40 positions only) (Lead styles H01, H02 & H03 only) (Requires D row option) (Not available with WSFML) (Mates with WTFML DS option) (Not available with A, LC, K, P, XRI)	Specify TR or FR last; Required for DH & SH. (Lead styles H02, HL2 & HT2 only)
WSFM Board Mates: WTFM Cable Mates: WTFSD, WTFSS								
WSFML Board Mates: WTFML								

WSFM
Board Mates:
WTFM
Cable Mates:
WTFSD, WTFSS

WSFML
Board Mates:
WTFML
Cable Mates:
WTFSD



LEAD STYLE	A	B
H01, HL1, HT1	(3.05) .120	(0.51) .020
H03, HL3	(1.91) .075	(0.41) .016

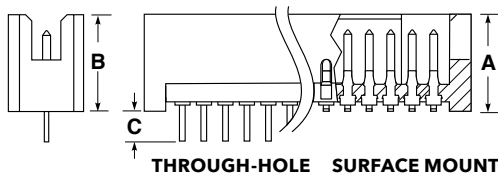
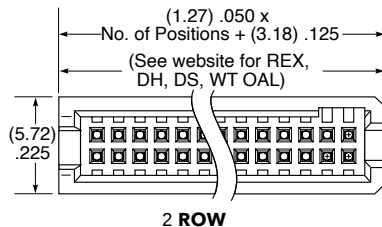
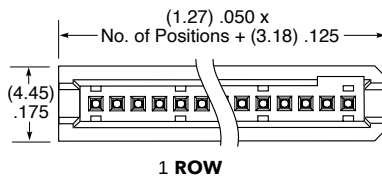


1.27 mm • SMT/THROUGH-HOLE HEADER

WTFM - 2	10	H02	S	D	LC
SERIES	2	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION
WTFM = Standard	1,2 Row	03, 04, 06, 08 (WTFM H01 & H02 only)	Specify LEAD STYLE from chart	L = 15 µ" (0.38 µm) Gold on post, Matte Tin on tail	D
WTFML = Locking (H01 & H02 lead style only)		05, 07, 10, 15, 20, 25, 30, 35, 40, 45, 50 (Standard sizes)	S = 30 µ" Gold on contact, Matte Tin on tail	DH* = Double Horizontal (WTFM lead style H02 only (05 thru 50 positions only) (TR option only available)	Specify only RA, RE1 or RE2
					Specify only A, LC, DS or WT Not available with RA, RE1 and RE2 unless otherwise noted.
					SMT lead styles only Specify only K or P
					K = Polyimide Film Pick & Place Pad
					P = Plastic Pick & Place Pad (5 positions min.) (Not available with 5 position with WT)
					Specify TR (Not available with DS)
					TR = Tape & Reel

WTFM
Board Mates:
WSFM, WSFMC
Cable Mates:
WSFSD, WSFSS

WTFML
Board Mates:
WSFML
Cable Mates:
WSFSD,
WTFSD (T end option)

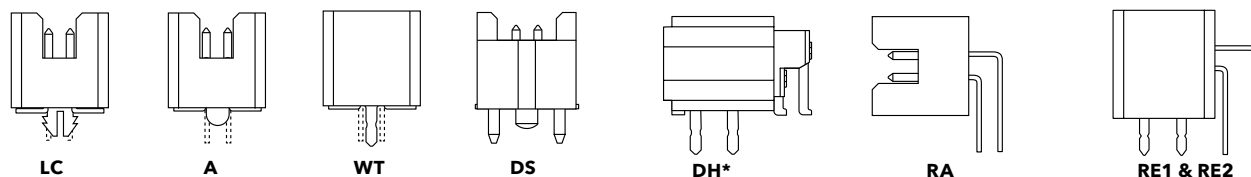


MATED HEIGHTS*			
LEAD STYLE (SMT)		MATED HEIGHT*	
WTFM	WSFM		
H02	H02		(6.35) .250
H12			(8.13) .320
H22			(9.91) .390
H32		(11.81) .465	
LEAD STYLE (T/H)		MATED HEIGHT*	
WTFM	WSFM		
H01	H01		(5.97) .235
H03			(5.97) .235
H11			(7.75) .305
H13			(7.75) .305
H21			(9.53) .375
H23			(9.53) .375
H31			(11.43) .450

*Processing conditions will affect mated height.

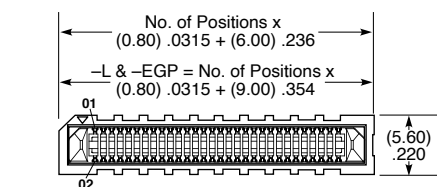
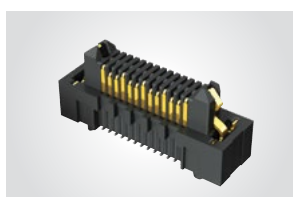
LEAD STYLE (SMT)	A
H02	(5.72) .225
H12*	(7.49) .295
H22*	(9.27) .365
H32*	(11.18) .440

LEAD STYLE (T/H)	B	C
H01	(5.59) .220	(1.97) .078
H03*	(5.59) .220	(2.77) .109
H11*	(7.37) .290	(1.97) .078
H13*	(7.37) .290	(2.77) .109
H21*	(9.14) .360	(1.97) .078
H23*	(9.14) .360	(2.77) .109
H31*	(11.05) .435	(1.97) .078

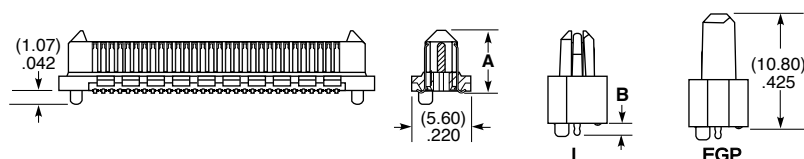


TYPE	- 2 X	POSITIONS PER ROW	LEAD STYLE	PLATING OPTION	DV	OPTIONS	"X"R
WERM8 =Header		05, 10, 11, 12, 13, 15, 20, 25, 30, 35, 40, 49, 50, 60, 70, 75, 100	SPECIFY LEAD STYLE FROM CHART	L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail		DS = Differential Pair (WERM8 H05.0 Lead Style with 10, 13, 25, 49 Positions only) (P not available)	TR = Tape & Reel (100 Positions N/A)
WERF8 =Socket		(100 Position Only Available with WERM8 H09.0 & WERF8 H05.0 Lead Styles; L or EGP N/A)		S = 30 μ" (0.76 μm) Gold on contact, Matte Tin on tail		L = Latching (WERM8 H03.0, H05.0 & H09.0 Lead Styles only & EGP Option not available) (WERF8 H05.0, H07.0 & H09.0 Lead Style only, L & EGP Options not available)	FR = Full Reel Tape & Reel

WERM8
Board Mates:
WERF8

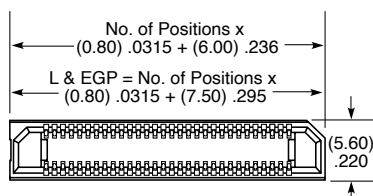
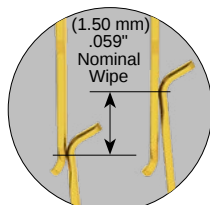
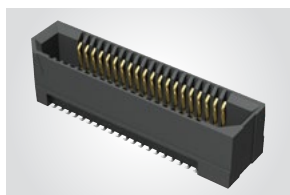


WERM8 LEAD STYLE	A	B
H02.0	5.97	N/A
H03.0	6.97	1.60
H05.0	8.91	1.17
H08.0	11.91	N/A
H09.0	12.91	1.60

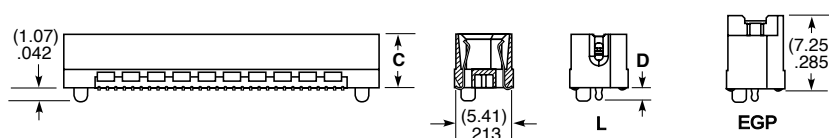


View complete specifications at: www.worldpo.com?WERM8

WERF8
Board Mates:
WERM8



WERF8 LEAD STYLE	C	D
H05.0	5.34	1.60
H07.0	7.25	1.17
H09.0	9.34	1.60



MATED HEIGHT*			
WERM8 LEAD STYLE	WERF8 LEAD STYLE		
	H05.0	H07.0	H09.0
H02.0	7.00	9.00	11.00
H03.0	8.00	10.00	12.00
H05.0	10.00	12.00	14.00
H08.0	13.00	15.00	17.00
H09.0	14.00	16.00	18.00

*Processing conditions will affect mated height.

View complete specifications at: www.worldpo.com?WERF8



WQTE Board Mates: WQSE

WQSE Board Mates: WQTE

WQTE	-	2	X	PINS PER ROW NO. OF PAIRS	LEAD STYLE	PLATING OPTION	TYPE	A	OTHER OPTIONS	"X"R
				20, 40, 60 (40 total pins per bank = D)	Specify LEAD STYLE from Chart	F = Gold flash on contact, Matte Tin on tail	D = Single-Ended		K = (7.00 mm) .275" DIA Polyimide film Pick & Place Pad	Leave blank for Tray Packaging
				14, 28, 42 (14 pairs per bank = DDP)		L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail	DDP = Differential Pair (H01 only)		L = Latching Option (N/A on 42 & 60 positions)	TR = Tape & Reel (Not available with H05 & H07 lead style)
						C = 50 μ" (1.27 μm) Electro-Polished Selective Gold on contact, Matte Tin on tail				FR = Full Reel Tape & Reel (Not available with H05 & H07 lead style)

SPECIFICATIONS

Insulator Material:

Liquid Crystal Polymer

Contact Material:

Phosphor Bronze

Plating:

Au or Sn over
50 μ" (1.27 μm) Ni

Current Rating:

Contact:
2 A per pin (2 pins powered)
Ground Plane:
23 A per ground plane
(1 ground plane powered)

Operating Temp Range:

-55 °C to +125 °C

Voltage Rating:

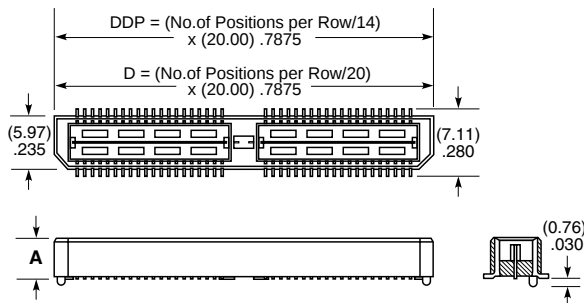
225 VAC when mated
& 5 mm Stack Height

Max Cycles:

100

WQTE LEAD STYLE	A	HEIGHT WITH WQSE
H01	4.27	5.00
H02	7.26	8.00
H03	10.27	11.00
H04	15.25	16.00
H05	18.26	19.00
H07	24.24	25.00
H09	13.26	14.00

*Processing conditions will affect mated height.



View complete specifications at: www.worldpo.com?WQTE

PROCESSING

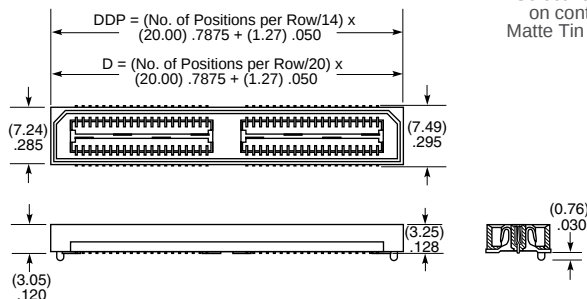
Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0.10 mm) .004" max
(20-60)

WQSE	-	2	X	PINS PER ROW NO. OF PAIRS	H01	PLATING OPTION	TYPE	A	OTHER OPTIONS	"X"R
				20, 40, 60 (40 total pins per bank = D)		F = Gold flash on contact, Matte Tin on tail	D = Single-Ended		GP = Guide Post	Leave blank for Tray Packaging
				14, 28, 42 (14 pairs per bank = DDP)		L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail	DDP = Differential Pair		K = (8.25 mm) .325" DIA Polyimide Film Pick & Place Pad	TR = Tape & Reel (40 positions max. with GP)
						C = 50 μ" (1.27 μm) Electro-Polished Selective Gold on contact, Matte Tin on tail			L = Latching Option (Not available on 42 & 60 positions)	FR = Full Reel Tape & Reel (40 positions max. with GP)



View complete specifications at: www.worldpo.com?WQSE

WORLDPO

(0.50mm) .0197" PITCH • WQTH/WQSH SERIES



WQTH
Board Mates:
WQSH

WQSH
Board Mates:
WQTH

WQTH	-	2	X	PINS PER ROW NO. OF PAIRS	LEAD STYLE	PLATING OPTION	TYPE	A	OTHER OPTIONS	"X"R
------	---	---	---	------------------------------	---------------	-------------------	------	---	------------------	------

30, 60, 90
(60 total pins per
bank = D)

20, 40, 60
(20 pairs per bank
= DDP)

**Specify
LEAD
STYLE
from
chart**

F
= Gold flash
on contact,
Matte Tin on tai

L
= 10 μ " (0.25 μ m)
Gold on contact,
Matte Tin on tail

C
= 50 μ " (1.27 μ m)
Electro-Polished
Selective Gold
on contact,
Matte Tin on tail

D
= Single-
Ended

DDP
= Differential
Pair
(H01 only)

K
= (7.00 mm)
.275" DIA
Polyimide film
Pick &
Place Pad
(Not available
with H05 & H07
lead style)

L
= Latching
Option
(H01 lead
style only)
(Not available
on 60 (DDP)
& 90)

Leave blank for
Tray Packaging

TR
= Tape & Reel
(Not available
with H05 & H07
lead style)

FR
= Full Reel
Tape & Reel
(Not available
with H05 & H07
lead style)

SPECIFICATIONS

Insulator Material:

Liquid Crystal Polymer

Contact Material:

Phosphor Bronze

Plating:

Au or Sn over

50 μ " (1.27 μ m) Ni

Current Rating:

Contact:

2 A per pin (2 pins powered)

Ground Plane:

25 A per ground plane

(1 ground plane powered)

Operating Temp Range:

-55 °C to +125 °C

Voltage Rating:

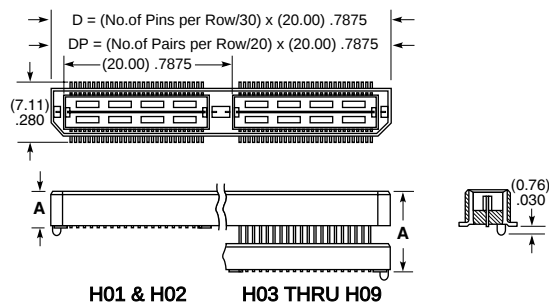
175 VAC (5 mm Stack Height)

Max Cycles:

100

WQTH LEAD STYLE	A	HEIGHT WITH WQSH
H01	4.27	5.00
H02	7.26	8.00
H03	10.27	11.00
H04	15.25	16.00
H05	18.26	19.00
H07	24.24	25.00
H09	13.26	14.00

*Processing conditions will affect mated height.



View complete specifications at: www.worldpo.com?WQTH

WQSH	-	2	X	PINS PER ROW NO. OF PAIRS	H01	PLATING OPTION	TYPE	A	OTHER OPTIONS	"X"R
------	---	---	---	------------------------------	-----	-------------------	------	---	------------------	------

30, 60, 90
(60 total pins per
bank = D)

20, 40, 60
(20 pairs per bank
= DDP)

F
= Gold flash
on contact, Matte
Tin on tail

L
= 10 μ " (0.25 μ m)
Gold on contact,
Matte Tin on tail

C
= 50 μ " (1.27 μ m)
Electro-Polished
Selective Gold
on contact,
Matte Tin on tail

D
= Single-
Ended

DDP
= Differential
Pair

K
= (8.25 mm)
.325" DIA
Polyimide film
Pick & Place Pad

L
= Latching
Option
(Not available on
60 (DDP) & 90)

Leave blank for
Tray Packaging

TR
= Tape & Reel
(N/A H05 to H07
lead style)

FR
= Full Reel
Tape & Reel

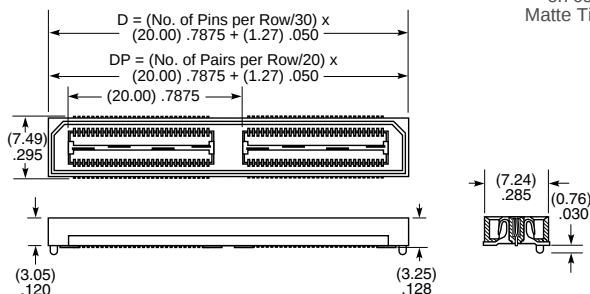
PROCESSING

Lead-Free Solderable:

Yes

STANDARD

Visit www.worldpo.com
for more information.

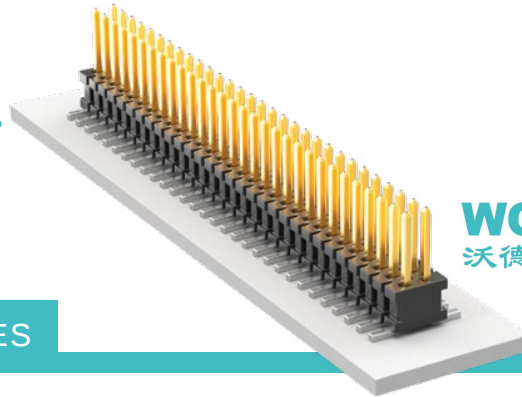


View complete specifications at: www.worldpo.com?WQSH

SURFACE MOUNT MICRO HEADER

WORLDPO
沃德披欧连接器

(1.27 mm) .050" PITCH • WFTSH SERIES



WFTSH	2	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	TAIL OPTION	OPTION	FLEX SHROUD OPTIONS	OTHER OPTIONS
-------	---	---------------------	---------------	-------------------	----------------	--------	------------------------	------------------

02
thru
50

H01
= (3.05 mm)
.120" Post

H02
= (1.91 mm)
.075" Post

H03
= (1.65 mm)
.065" Post

H04
= (3.81 mm)
.150" Post

H05
= (4.32 mm)
.170" Post

F
= Gold flash
on post,
Matte Tin
on tail

L
= 10 μm
(0.25 μm)
Gold
on post,
Matte Tin
on tail

DV
= Double
Vertical

DH
= Double
Horizontal
(Styles
H01, H02 &
H04 only)

MT
= Mixed
Technology
(Styles
H01, H02 &
H04 only)

Leave Blank
for DH & MT

— "XXX"
= Polarized
Position
(Specify
position
of omitted
pin)
(Not available
with EX
options)

(Style H02 & H03
only, DH & MT
not available)
9 pins/row
minimum

ES
= End Shroud

EC
= End Shroud
with Locking Clip
(Manual placement
required)

EP
= End Shroud
with Guide Post

EL
= End Shroud with
Board Lock
(Boards are
positively locked
and cannot be
unmated)

EJ
= Ejector Shroud
(Style H01 only)
DH & MT
not available
10 pins/row
minimum
25 pins/row
maximum

K
= Keying
Shroud for mating
with WFFSD
(Style H01 only,
05 thru 25
pins/row only,
13, 17, 20 & 25
only with EJ option)
(DV only)

A
= Alignment
Pin
(DV 3 positions
minimum)
(DH 5 positions
minimum)
(Metal or plastic
at Worldpo
discretion)

C
= (5.00 mm)
.197" DIA
Polyimide film
Pick & Place Pad
(DH only)

P
= Pick &
Place Pad
(DV 4 positions
minimum)
(DH & MT
not available)

TR
= Tape & Reel
(Flex Shroud
options
not available
except ES
& EJ)

FR
= Full Reel
Tape & Reel

SPECIFICATIONS

Insulator Material:
Black Liquid Crystal Polymer

Terminal Material:
Phosphor Bronze

Plating:
Sn or Au over
50 μm (1.27 μm) Ni

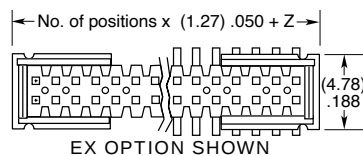
Current Rating (WFTSH):
3.4 A per pin
(2 pins powered)

Operating Temp Range:
-55 °C to +125 °C

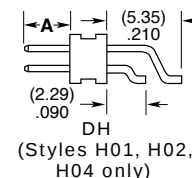
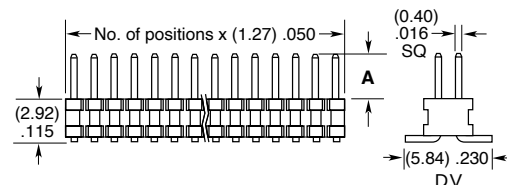
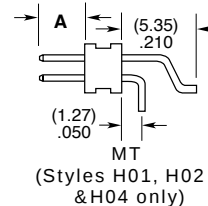
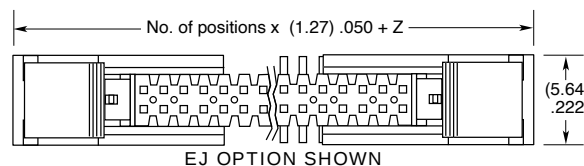
PROCESSING

Lead-Free Solderable:
Yes

SMT Lead Coplanarity:
MT & DV Tail Option:
(0.10 mm) .004" max (02-25)
MT & DH Tail Option:
(0.15 mm) .006" max (26-50)



OPTION	Z
ES	(2.57) .101
EJ	(15.77) .621
EC	(3.33) .131
EP	(5.87) .231
EL	(6.53) .257

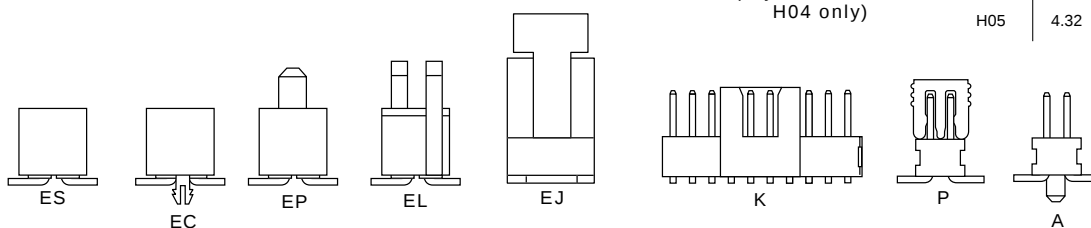


LEAD STYLE	A
H01	3.05
H02	1.91
H03	1.65
H04	3.81
H05	4.32

ALSO AVAILABLE

MOQ Required

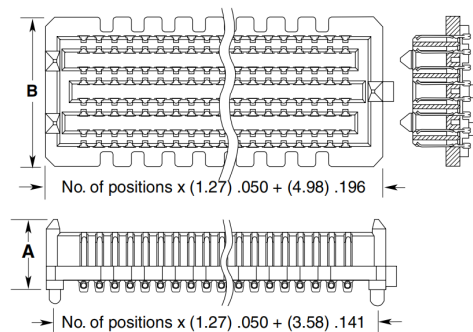
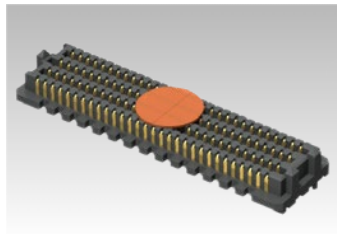
Molded Pick & Place pads
Latches
Other platings



1.27mm PITCH • WSEAM/WSEAF SERIES

SERIES	NO. OF ROWS	POSITIONS PER ROW	LEAD STYLE	PLATING OPTION	A K TR
WSEAM Terminal	4, 5, 6, 8, 10, 14	10, 15, 19, 20, 30, 40, 50	Specify LEAD STYLE from chart	-L = 10 μ" (0.25 μm) Gold on contact area, Matte Tin on solder tail	-A = Alignment Pin
WSEAF Socket	(WSEAM 4, 5 & 6 Rows not available with H06.5 Lead Style)	WSEAM & WSEAM : 10 only available in 4 Row WSEAM: 15 only available in 4 Row with H02.0 Lead Style, and 10 Row with any Lead Style WSEAF: 15 only available in 4 or 10 Row with H5.0 Lead Style		-S = 30 μ" (0.76 μm) Gold on contact area, Matte Tin on solder tail	-K Polyimide Film Pick & Place Pad
				-STL = 30 μ" (0.76 μm) Gold on contact area, Tin/Lead on solder tail	-TR = Tape & Reel

WSEAM
Board Mates:
WSEAF

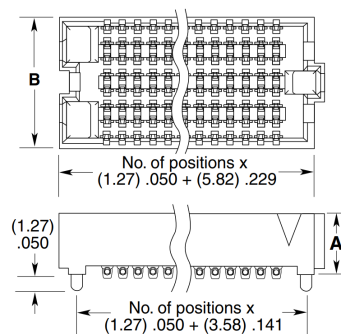
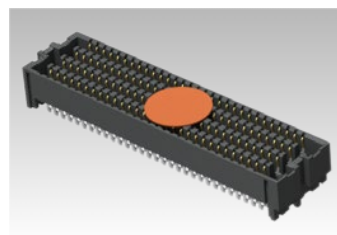


LEAD STYLE	A	NO. OF ROWS	B
H02.0	5.61	4	7.06
H03.0	6.60	5, 6	9.60
H03.5	7.11	8	12.14
H06.5	10.16	10	14.68
H07.0	10.59	14	17.22
H09.0	12.60		
H11.0	14.61		

View complete specifications at: www.worldpo.com

ALSO AVAILABLE
See website for 14 row option.

WSEAF
Board Mates:
WSEAM



LEAD STYLE	A	NO. OF ROWS	B
H05.0	5.05	4	5.66
H06.0	6.05	5, 6	8.20
H06.5	6.55	8	10.74
H07.5	7.54	10	13.28
		14	15.82

MATED HEIGHTS

WSEAM LEAD STYLE	WSEAF LEAD STYLE			
	H05.0	H06.0	H06.5	H07.5
H02.0	7 mm	8 mm	8.5 mm	9.5 mm
H03.0	8 mm	9 mm	9.5 mm	10.5 mm
H03.5	8.5 mm	9.5 mm	10 mm	11 mm
H06.5	11.5 mm	12.5 mm	13 mm	14 mm
H07.0	12 mm	13 mm	13.5 mm	14.5 mm
H09.0	14 mm	15 mm	15.5 mm	16.5 mm
H11.0	16 mm	17 mm	17.5 mm	18.5 mm

TABLE 1

LEAD STYLE	BOARD SPACE WHEN MATED WITH WTOLC
02	6.35mm

25

WSOLC-4xXX H XX X Q XX X XX

FOUR ROWS ——— T ——— HIGH

NO. OF POSITIONS
05, 10, 15, 20, 25
30, 35, 40, 45, 50
(PER ROW)

LEAD STYLE
02

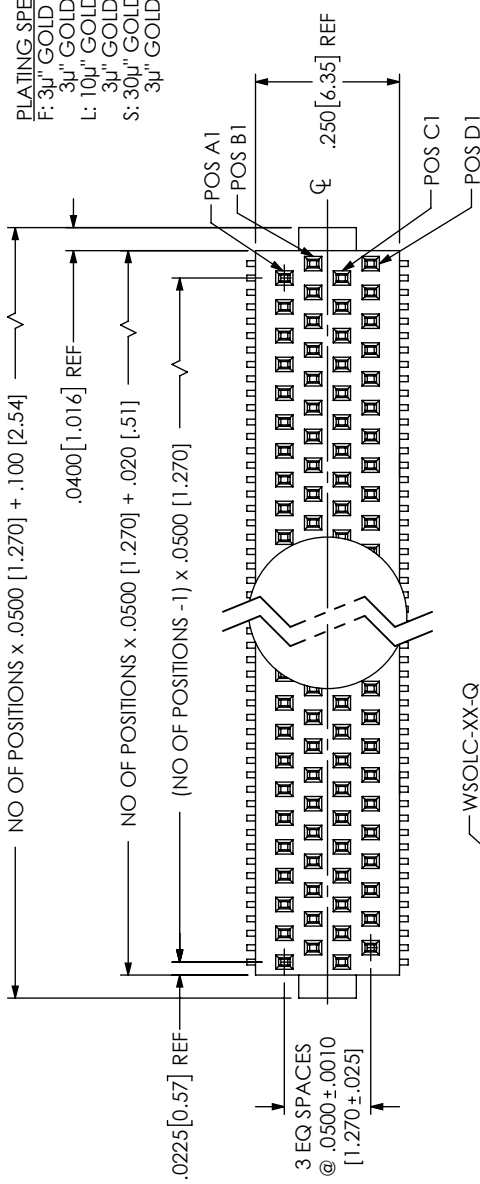
PICK & PLACE OPTION

P: PICK & PLACE PAD

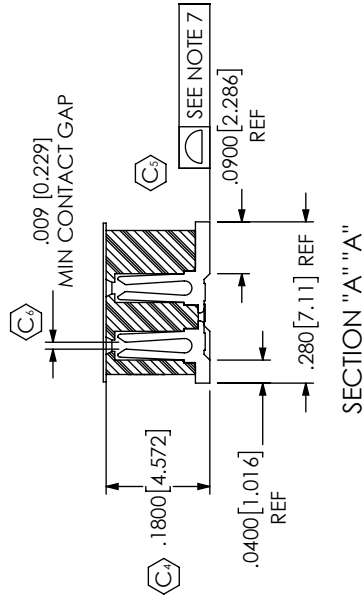
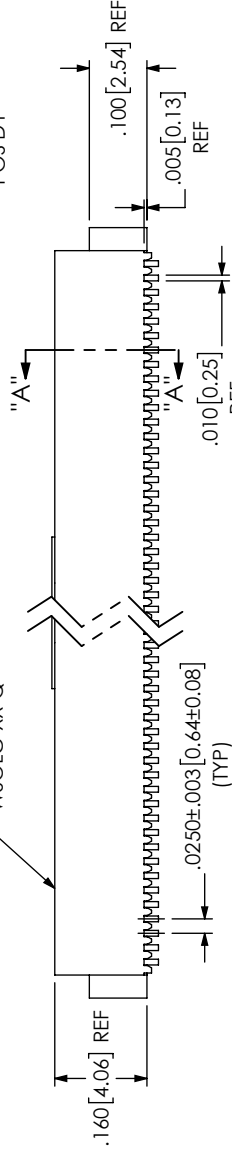
K: POLYIMIDE FILM PAD

OPTIONS
 LC: LOCKING CLIP (SEE FIG 2, SHT 2) (SEE NOTE 5)
 NOT AVAILABLE WITH A
 A: ALIGNMENT PINS (SEE FIG 3, SHT 2)
 (NOT AVAILABLE WITH LC)

ROW SPEC
-Q: QUAD



—WSOLC-XX-Q



1. MINIMUM PUSHOUT FORCE: .5LB.
2. PARTS TO BE PACKAGED IN TUBES.
3. ☉ INDICATES A CRITICAL DIMENSION.
4. S PLATING CAN BE SUBSTITUTED FOR L & F PLATING.
5. DUE TO THE HIGH AMOUNT OF INSERTION FORCE NEEDED, THE LC OPTION IS NOT COMPATIBLE WITH AUTO PLACEMENT. WORLDPO RECOMMENDS MANUAL PLACEMENT FOR ALL ASSEMBLIES WITH THE LC OPTION.
6. INSULATOR MATERIAL: LCP - UL 94 VO
7. COPLANARITY:
05 THRU 30 POSITION: .0040 [.102]
35 THRU 50 POSITION: .0060 [.152]
8. ORDERS WILL BE PACKAGED ACCORDING TO THE WORLDPO PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON
9. ATTACH LABEL TO EACH REEL

FIG 1

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.

DECIMALS	ANGLES
.XX: ±.01 [0.3]	5°
.XXX: ±.005 [0.13]	
.XXXX: ±.0020 [0.051]	

MATERIAL: DO NOT SCALE DRAWING
INSULATOR: VECTRA EI30i, COLOR: BLACK
CONTACT: PHOS BRONZE
MAX FLASH ALLOWED: .002 [0.05]
MAX GATE VESTIGE: .002 [0.05]

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SHEET SCALE: 3" = 1'-0"

DO NOT SCALE DRAWING

MAX FLASH ALLOWED: .002 [0.05]
MAX GATE VESTIGE: .002 [0.05]

WORLDPO

Shenzhen WorldPO Precision Devices Co., LTD
TEL: +86 01331 6922511 GU@WORLDPO.COM

DESCRIPTION:
QUAD ROW STAGGERED SMT SOCKET ASM

BY: TIM P.

FIG 2
LC OPTION
(DIFFERENT AS SHOWN, OTHER WISE SAME AS FIG 1)

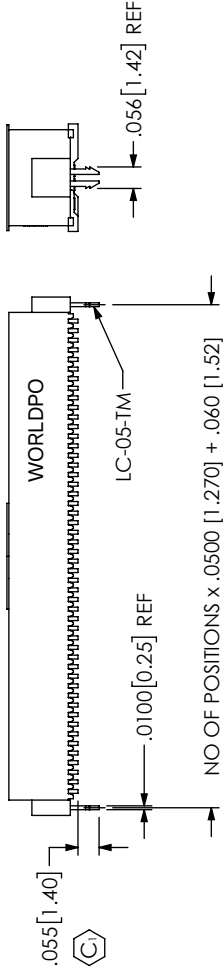
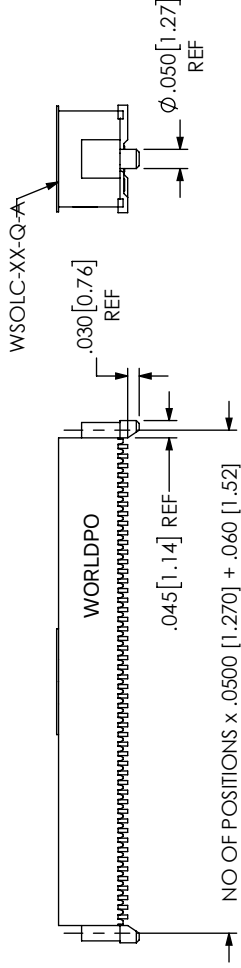
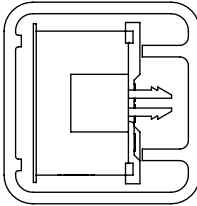


FIG 3
A MOLDED
(DIFFERENT AS SHOWN, OTHER WISE SAME AS FIG 1)

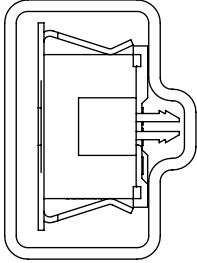


PACKAGING VIEW

TABLE		
NO OPTION, LC, A, K, K LC, K A	PT-1-24-11-63	TP-09
P, P LC, P A	PT-1-24-01-61	TP-03



PT-1-24-11-63 TUBE
TP-09 PLUG



PT-1-24-01-61 TUBE
TP-03 PLUG

FIG 4
-P OPTION
(DIFFERENT AS SHOWN, OTHER WISE SAME AS FIG 1)

NOTE: "M" = USED MEASURED DIMENSION (REF)
"P" = {("M" - .225 [5.72] / 2) ± .020 [5.1]}

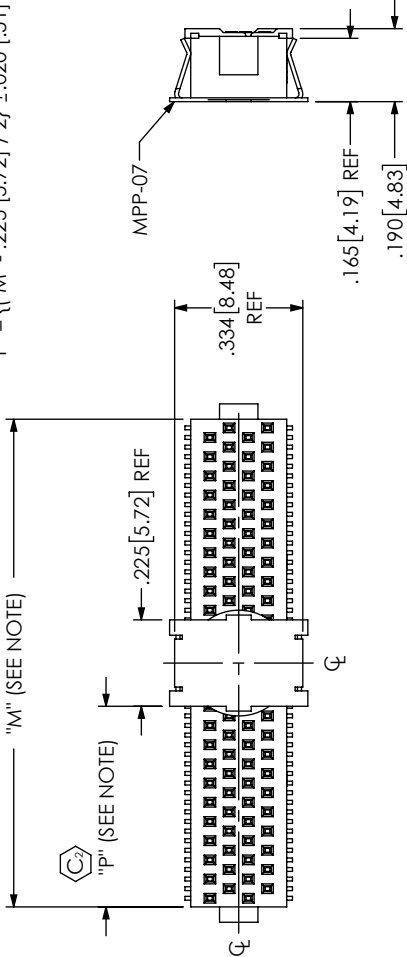
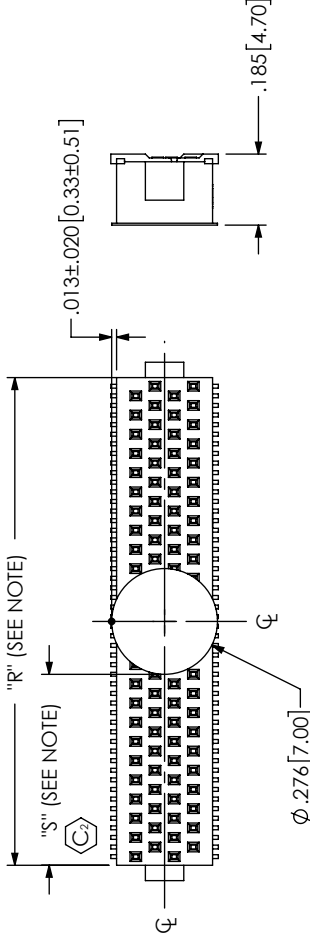


FIG 5
-P POLYIMIDE FILM PAD
(DIFFERENT AS SHOWN, OTHER WISE SAME AS FIG 1)

NOTE: "R" = USED MEASURED DIMENSION (REF)
"S" = {("R" - .2756 [7.00] / 2) ± .020 [5.1]}



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DO NOT SCALE DRAWING

SHEET SCALE 2:1

WORLDPO

Shenzhen WorldPO Precision Devices Co., LTD

TEL : +86 01331 6922511 GU@WORLDPO.COM

DESCRIPTION:
QUAD ROW STAGGERED SMT SOCKET ASM

DWG. NO.
WSOLC-4x XX H XX X Q XX X XX

BY: TIM P. 2/10/2023

SHEET 2 OF 2

DO NOT
SCALE FROM
THIS PRINT

FOUR ROWS WTOLC- 4x XX H XX XXX Q XX XX XX

NO OF POSITIONS
05, 10, 15, 20, 25
30, 35, 40, 45, 50
(PER ROW)PACKAGING
BLANK: TUBE (SEE NOTE 2)
TR: TAPE & REEL
(SEE NOTE 7 & 8)LEAD STYLE
(SEE TABLE 1)
02, 12, 22, 32PLATING SPEC
(VALUES GIVEN ARE
IN MICRO-INCHES)S: SELECTIVE, 30 AU / 50 Ni MIN ON
CONTACT, 3 AU / 50 Ni MIN
ON TAILL: LIGHT SELECTIVE, 10 AU / 50 Ni MIN ON
CONTACT, 3 AU / 50 Ni MIN
ON TAILF: FLASH GOLD, 3 AU / 50 Ni MIN ON
CONTACT, 3 AU / 50 Ni MIN ON TAIL
STL: SELECTIVE, 30 AU / 100 Ni MIN ON
CONTACT, 100-250 Sn-Pb / 50 Ni MIN
ON TAIL (SEE NOTE 6)ROW SPEC
Q: QUAD

OPTIONS

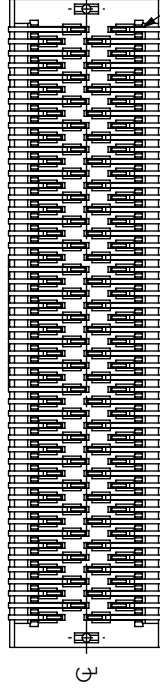
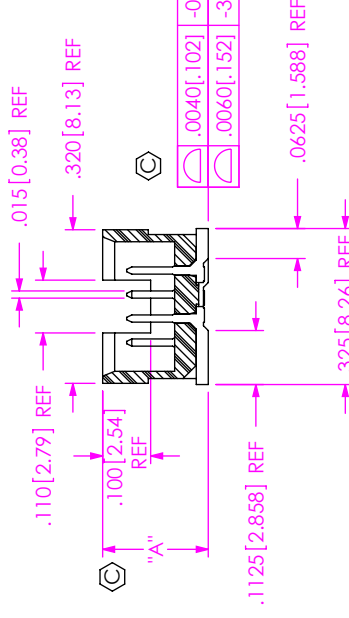
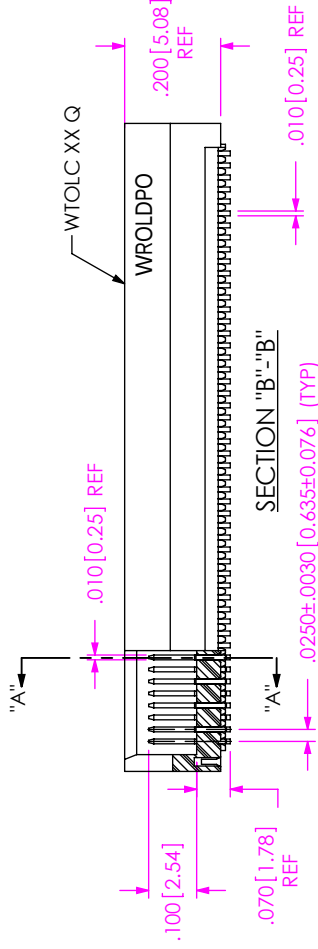
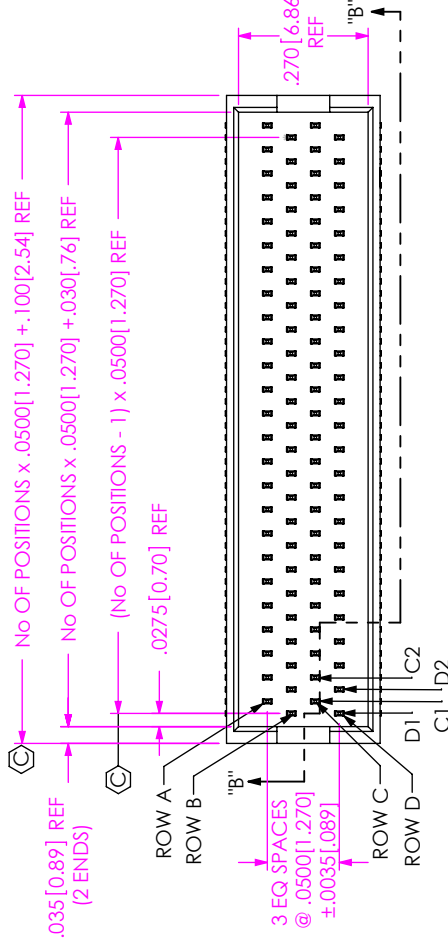
LC: LOCKING CLIP (SEE NOTE 5)
(USE LC-09-TM)
(NOT AVAILABLE WITH -A)A: ALIGNMENT PIN
(USE WTOLC XX Q A FOR STYLE 02
AND WTOLCH XX Q A FOR STYLES
12, 22 & 32)
(NOT AVAILABLE WITH LC)PICK & PLACE OPTION
P: PICK & PLACE PAD
(EXISTING CUSTOMER
SUPPORT ONLY)
K: POLYIMIDE FILM PAD
(USE K-DOT-.354-.469-.005)

FIG 1

NOTES:

1. MINIMUM PUSHOUT FORCE: 6 OZ.
2. PARTS TO BE PACKAGED IN TUBES.
3. S PLATING CAN BE SUBSTITUTED FOR L AND F PLATING STYLES.
4. © REPRESENTS A CRITICAL DIMENSION.
5. DUE TO THE HIGH AMOUNT OF INSERTION FORCE NEEDED, THE LC OPTION IS NOT COMPATIBLE WITH AUTO PLACEMENT. WORLDPO RECOMMENDS MANUAL PLACEMENT FOR ALL ASSEMBLIES WITH THE LC OPTION.
6. FOR -STL PLATING:
USE SUB T 1M13 01 STL 2 FOR 02 LEAD STYLE.
USE T 1M14 0X STL 2 FOR 12, 22, 32 LEAD STYLES.
7. ORDERS WILL BE PACKAGED ACCORDING TO THE WORLDPO PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.WORLDPO.COM.
8. ATTACH LABEL TO EACH REEL.

TABLE 1

LEAD STYLE	"A"	USE TERMINAL	SEE FIG	BOARD SPACE WHEN MATED WITH SOLC
02	.2200 [5.588]	T-1M13-01-XXX-2	1	.2500 [6.350]
12	.2850 [7.239]	T-1M14-02-XXX-2	2	.3150 [8.000]
22	.3637 [9.238]	T-1M14-03-XXX-2	2	.3937 [10.000]
32	.4424 [11.237]	T-1M14-04-XXX-2	2	.4724 [12.000]

PROPRIETARY NOTE

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS: .XX: ±.01 [0.3] .XXX: ±.005 [0.13] .XXXX: ±.0020 [0.051] ANGLES: ±5°

DO NOT SCALE DRAWING

SHEET SCALE: 1:0.4

MATERIAL:

BODY: LCP UL 94 VO, COLOR: BLACK

TERMINAL:

WORLDPOShenzhen WorldPO Precision Devices Co., LTD
TEL: +86 013316922511 GU@WORLDPO.COM

DESCRIPTION:

QUAD ROW STAGGERED SMT TERMINAL ASM

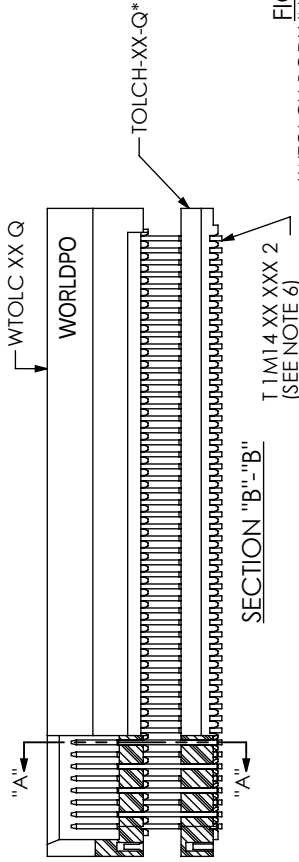
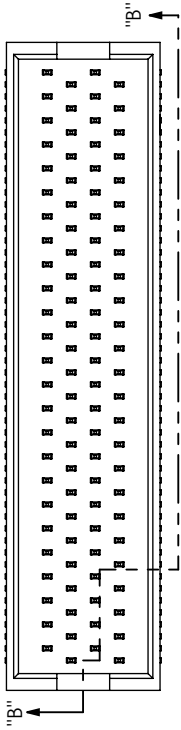
DWG. NO.

WTOLC- 4x XX H XX XXX Q XX XX XX

BY: D PURVIS

03/10/2023

SHEET 1 OF 3

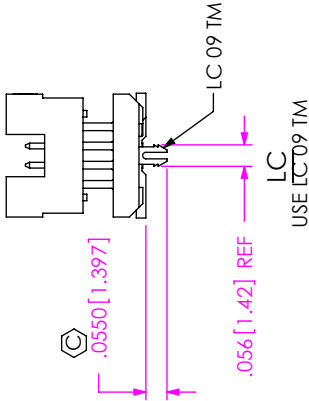
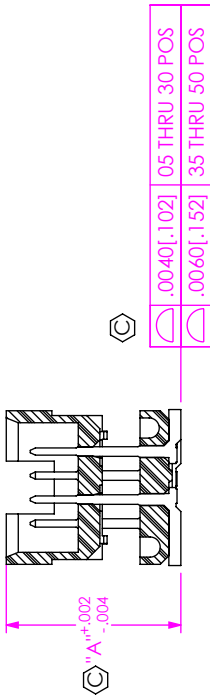
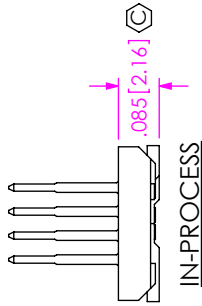


SECTION "B"-"B"

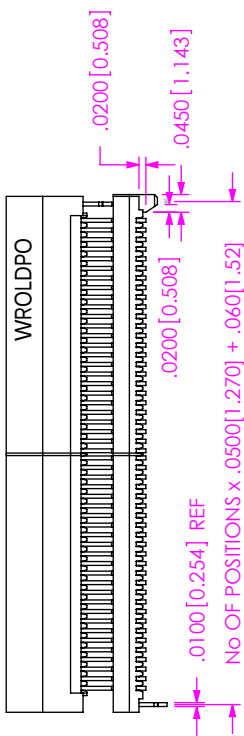
T 1M14 XX XXX 2
(SEE NOTE 6)

TOLCH-XX-Q*

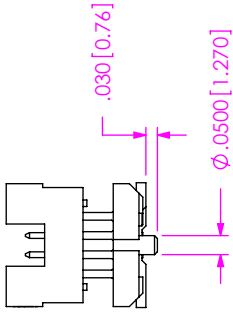
FIG 2
*WTOLCH BODY IN THIS DESIGN REFLECTS
ALTERNATE STANDOFF DESIGN



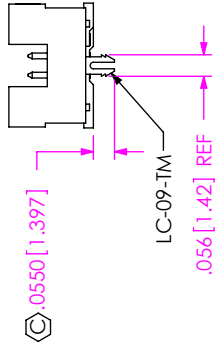
LC
USE LC09 TM



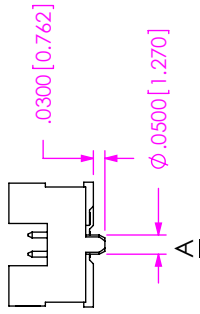
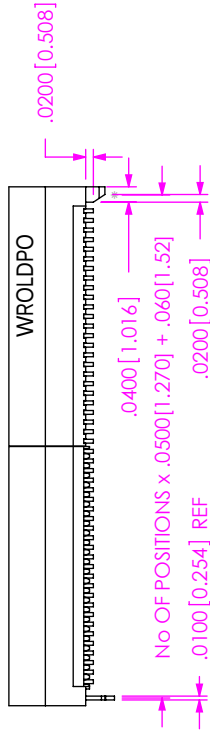
OPTION
STYLE 12, 22 & 32



A
USE TOLCH XX Q A



LC & A OPTION
LEAD STYLE U2 SHOWN



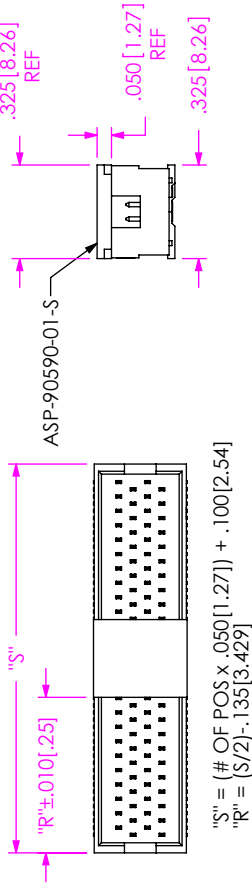
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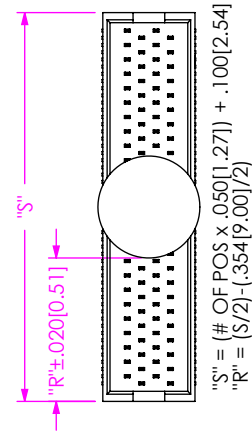
Shenzhen WorldPO Precision Devices Co., LTD
TEL : +86 013316922511 GU@WORLDPO.COM

DESCRIPTION:
QUAD ROW STAGGERED SMT TERMINAL ASM
DWG. NO.
WTOLC- 4x XX H XX XXX Q XX XX XX
BY: D PURVIS 03/10/2023 SHEET 2 OF 3

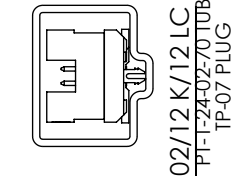
SHEET SCALE: 1:0.4



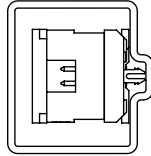
P & PL OPTION
PICK & PLACE PAD



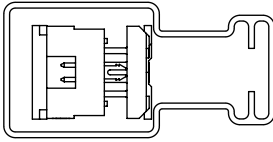
K OPTION
PICK & PLACE PAD



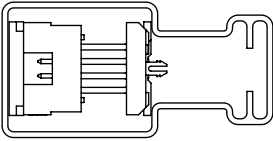
02/12 K/12 LC
PT-1-24-02-70 TUBE
TP-07 PLUG



12 LC P/22/22 K/22 LC P
PT-1-24-01-70 TUBE
TP-29 PLUG



22 P/22 A P
PT-1-24-01-44 TUBE
TP-13 PLUG



32
PT-1-24-01-44 TUBE
TP-13 PLUG

PACKAGING VIEWS

	* *
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