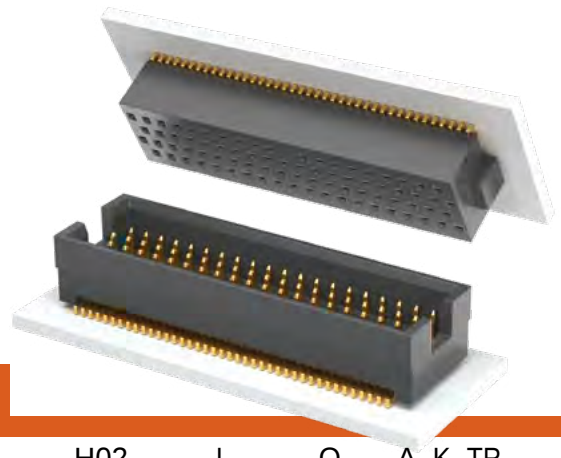


WORLDPO

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

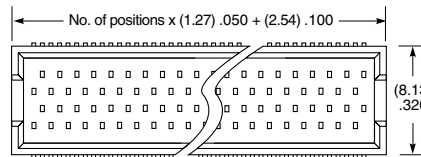
L
= 10 μ "
(0.25 μ m)
Gold on
contact,
Gold flash
on tail

A
= Alignment Pin
(N/A with LC)

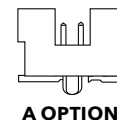
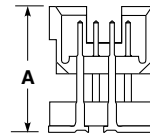
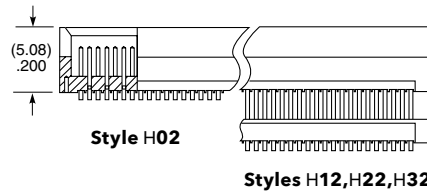
LC
= Locking Clip
(N/A with A)
(Manual
placement required)

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

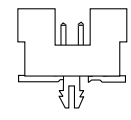
TR
= Tape & Reel



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

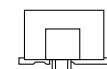
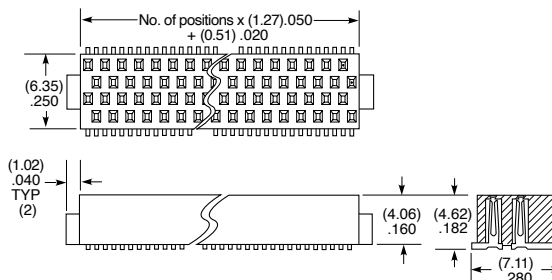
A
= Alignment Pin
(N/A with LC)

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

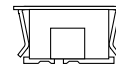
TR
= Tape & Reel



A OPTION



LC OPTION



P OPTION

ALSO AVAILABLE

MOQ Required

Other sizes
Other platings

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

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

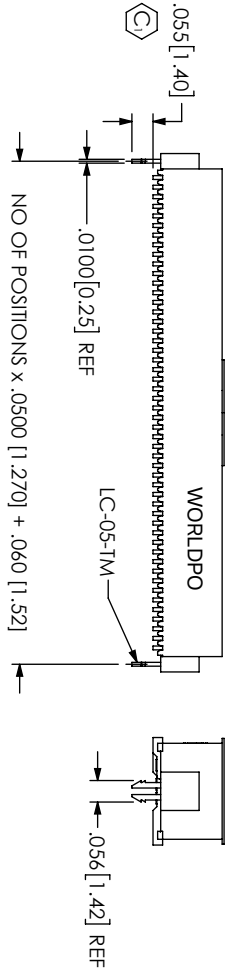
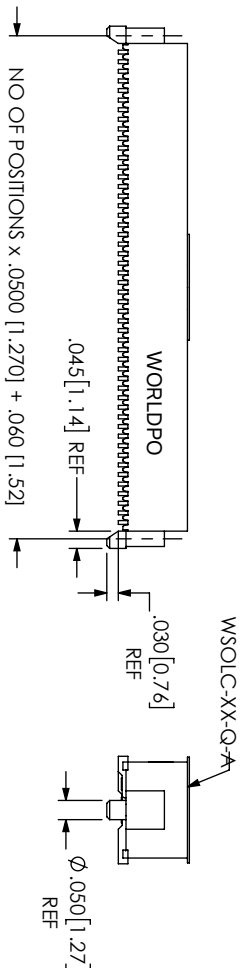


FIG 3
A MOLDED
(DIFFERENT AS SHOWN, OTHER WISE SAME AS FIG 1)



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

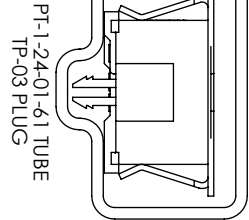
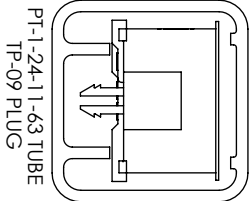


FIG 4
-P OPTION
(DIFFERENT AS SHOWN, OTHER WISE SAME AS FIG 1)

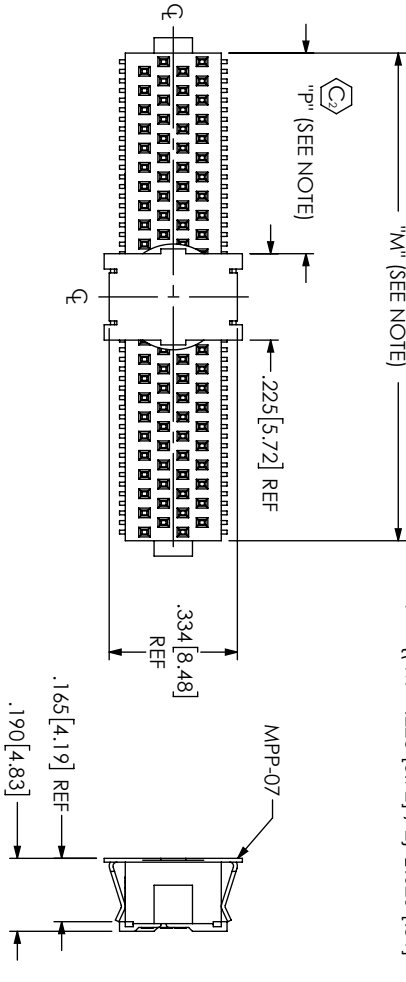
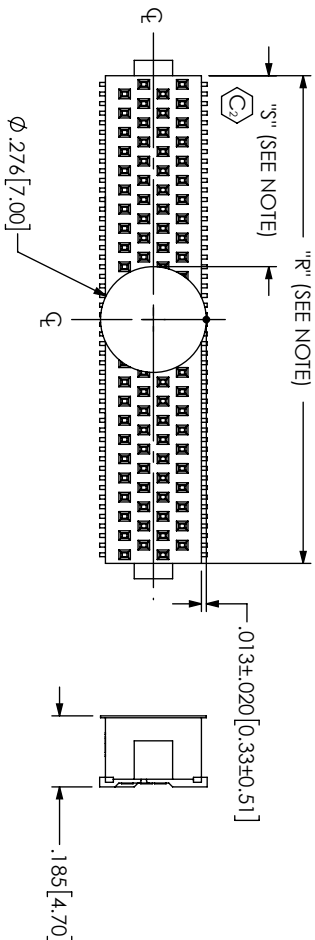


FIG 5
-P POLYIMIDE FILM PAD
(DIFFERENT AS SHOWN, OTHER WISE SAME AS FIG 1)



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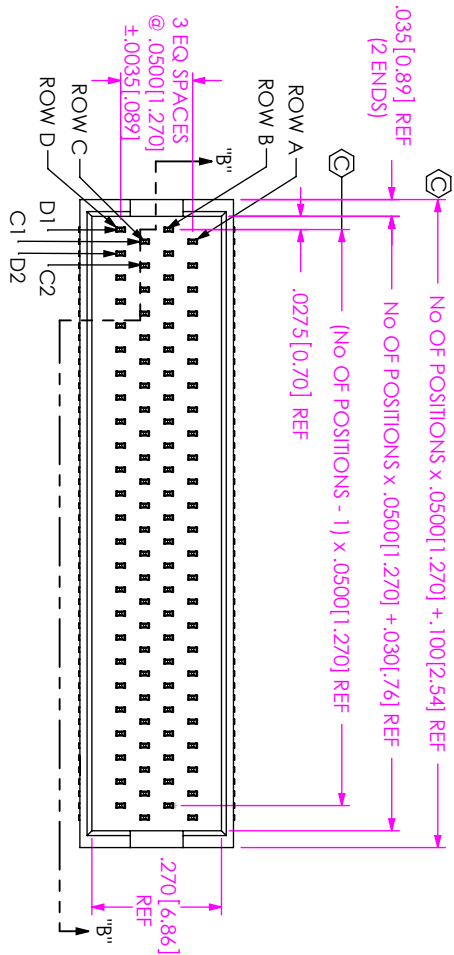
Shenzhen WorldPO Precision Devices Co., LTD
TEL: +86 01331 6922511 GU@WORLDPO.COM

DO NOT SCALE DRAWING

SHEET SCALE: 2:1

DESCRIPTION:	
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)

HIGH

LEAD STYLE
(SEE TABLE 1)
02, 12, 22, 32

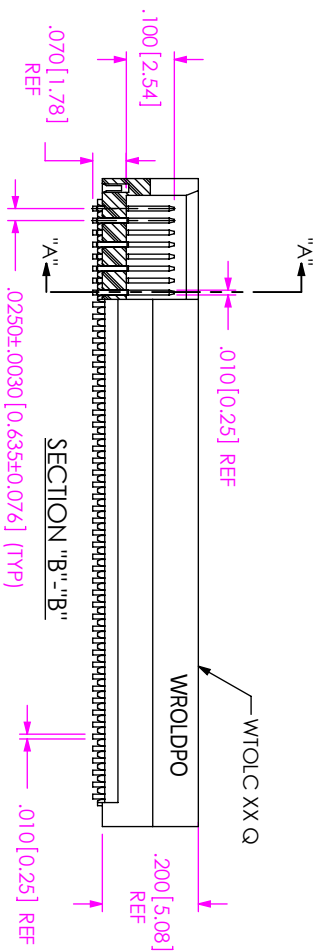
PLATING SPEC
(VALUES GIVEN ARE
IN MICRO-INCHES)

S: SELECTIVE, 30 Au / 50 Ni MIN ON
CONTRACT, 3 Au / 50 Ni MIN
ON TAIL
L: LIGHT SELECTIVE, 10 Au / 50 Ni MIN
ON CONTRACT, 3 Au / 50 Ni MIN
ON TAIL
F: FLASH GOLD, 3 Au / 50 Ni MIN ON
CONTRACT, 3 Au / 50 Ni MIN ON TAIL
STL: SELECTIVE, 30 Au / 100 Ni MIN ON
CONTRACT, 100-250 Sn-Pb / 50 Ni MIN
ON TAIL (SEE NOTE 6)

PACKAGING
BLANK: TUBE (SEE NOTE 2)
TR: TAPE & REEL
(SEE NOTE 7 & 8)

PICK & PLACE OPTION
P: PICK & PLACE PAD
(EXISTING CUSTOMER
SUPPORT ONLY)
K: POLYIMIDE FILM PAD
(USE K-DOT-.354-.469-.005)

OPTIONS
LC: LOCKING CLIP (SEE NOTE 5)
(USE LC-09-1M)
(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)



SECTION "A"-"A"

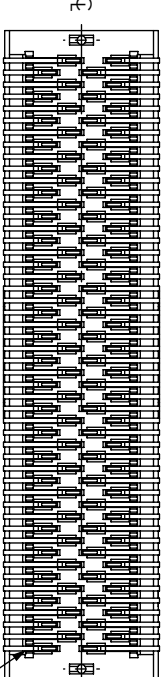


FIG 1

TABLE 1				
LEAD STYLE	"A"	USE TERMINAL	SEE FIG	BOARD SPACE WHEN MATED WITH SOLC
02	220015 5881	T-1M13-01-XXX-2 1	1	250016 3501
12	285017 2391	T-1M14-02-XXX-2 2	2	315018 0001
22	363719 2381	T-1M14-03-XXX-2 2	2	3937110 0001
32	442411 2371	T-1M14-04-XXX-2 2	2	4724112 0001

- NOTES:
1. MINIMUM PUSHOUT FORCE: 6 OZ.
 2. PARTS TO BE PACKAGED IN TUBES.
 3. 3 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 T1M13 01 STL 2 FOR 02 LEAD STYLE.
USE T1M14 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.

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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS ANGLES XX: ±.010 [0.3] XXX: ±.005 [0.13] XXXX: ±.0020 [0.051]		* THE DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION. IT IS THE PROPERTY OF WORLDPO. NO PART OF THIS DOCUMENT SHALL BE REPRODUCED, TRANSMITTED OR IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF WORLDPO.		* DESCRIPTION: QUAD ROW STAGGERED SMT TERMINAL ASM	
DO NOT SCALE DRAWING		SHEET SCALE: 1:0.4		DWG. NO. WTOLC-4x XX H XX XXX Q XX XX XX	
MATERIAL: BODY: LCP UL 94 VO, COLOR: BLACK		TERMINAL:		BY: D PURVIS 03/10/2023 SHEET 1 OF 3	

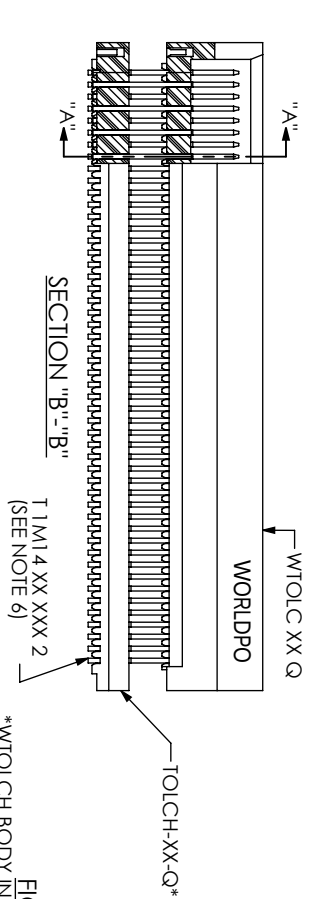
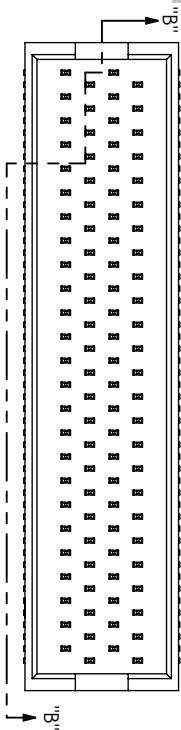
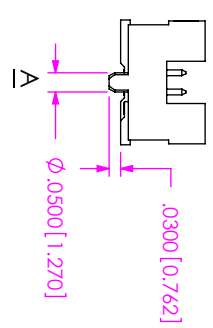
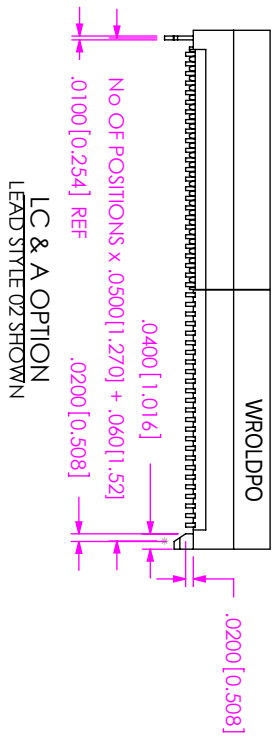
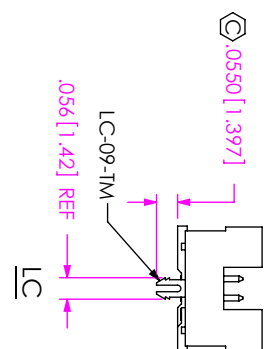
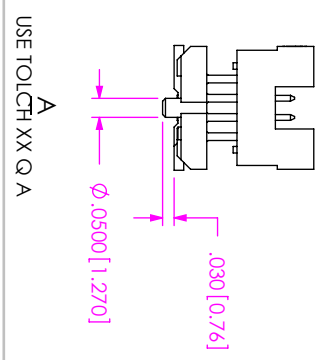
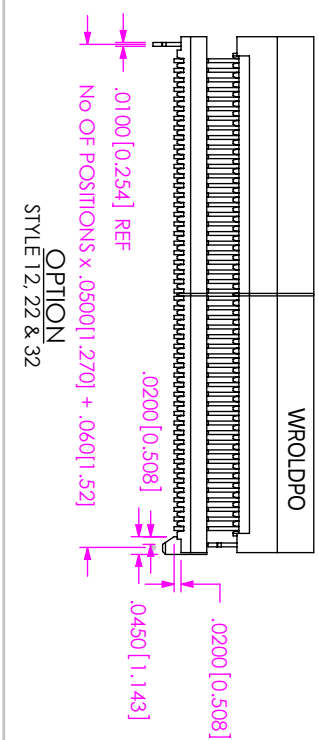
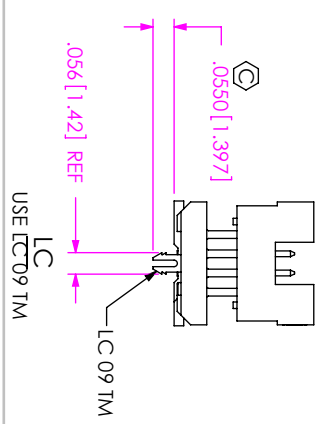
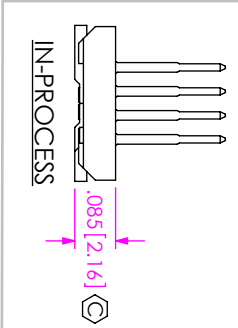
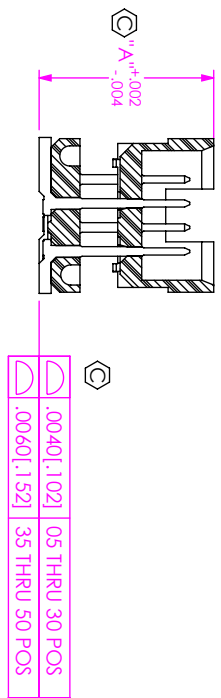


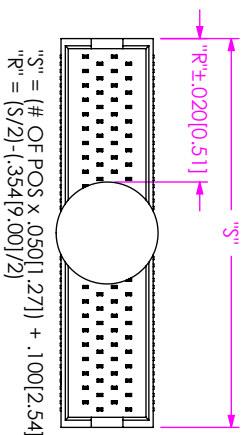
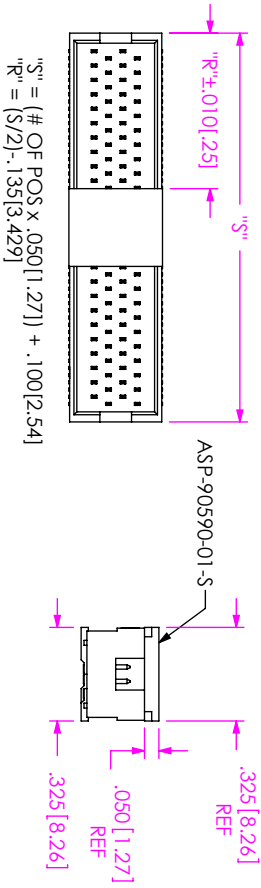
FIG 2
*WTOUCH BODY IN THIS DESIGN REFLECTS
ALTERNATE STANDOFF DESIGN



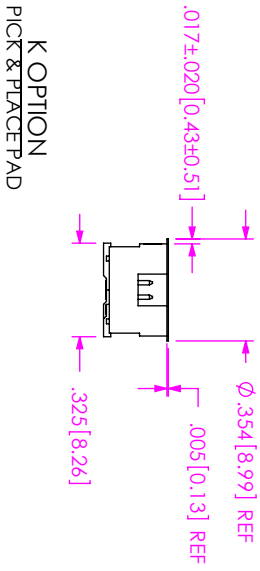
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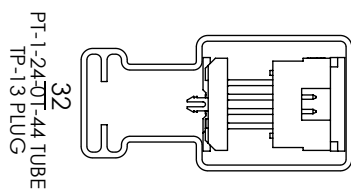
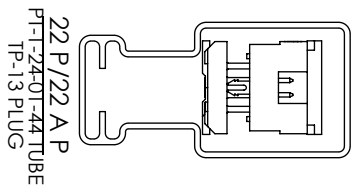
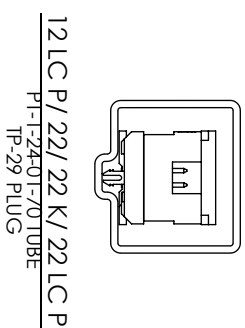
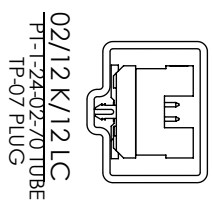
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P & PL OPTION
PICK & PLACE PAD



K OPTION
PICK & PLACE PAD



PACKAGING VIEWS

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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 3 OF 3

SHEET SCALE: 1:0.4