

WE RECOMMEND THESE
CONNECTORS FOR OPTIMAL
SERVICE LEVEL



- SHORT LEAD-TIMES
- LOW MOQs
- QUICK SAMPLING
- AVAILABLE AT DISTRIBUTION



91601-302LF	91601-302ALF
91601-303LF	91601-303ALF
91601-304LF	91601-304ALF
91601-305LF	91601-305ALF
91601-306LF	91601-306ALF
91601-307LF	91601-307ALF
91601-308LF	91601-308ALF
91601-309LF	91601-309ALF
91601-310LF	91601-310ALF

PLATING

3 = 0.76µm GOLD ON CONTACT AREA
2µm TIN MIN ON TAIL
1.27µm Ni MIN UNDERLAYER

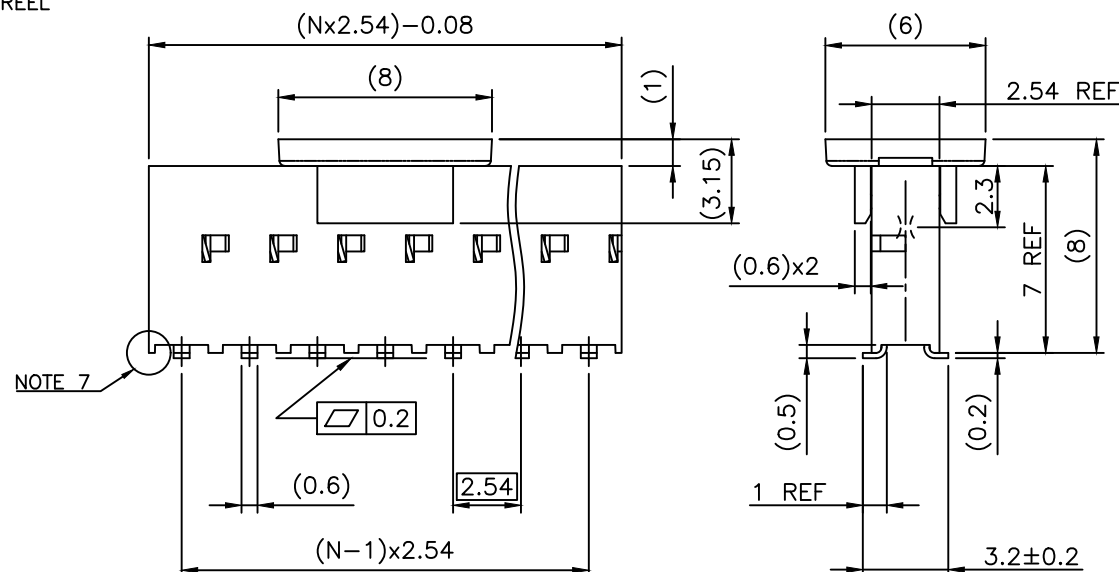
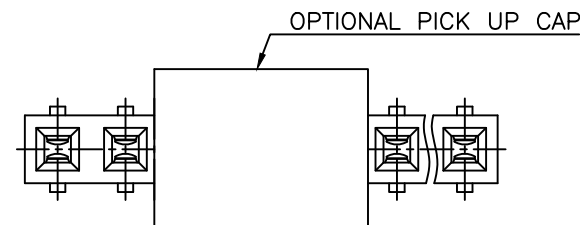
NUMBER OF POSITIONS

RoHS COMPATIBLE, SEE NOTE 6

A=PRODUCT WITH GREY
PICK UP CAP IN TAPE&REEL

NOTES:

- 1a- HOUSING & PICK UP CAP MATERIAL: HIGH TEMPERATURE THERMOPLASTIC GLASS FILLED FLAME RETARDANT PER UL 94 COLOR: GREY or BLACK
- 1b- HOUSING MADE FROM HIGH TEMPERATURE HALOGEN FREE RESIN 30% GLASSFILLED FLAME RETARDANT PER UL-94V-0 BLACK COLOUR. OMIT 'HF' FROM PRODUCT NUMBER IF THIS OPTION IS NOT REQUIRED
- 2 - TERMINAL MATERIAL: PHOSPHOR BRONZE.
- 3 - 2 UP TO 4 POSITIONS PRODUCT PACKED IN PLASTIC BOX.
5 UP TO 30 POSITIONS PRODUCT PACKED IN TUBE.
- 4 - TO DETERMINE DIMENSIONS:
N = NUMBER OF POSITIONS
EXAMPLE: 8 POS: (N x 2.54) - 0.08 = 20.24 mm.
- 5 - RECOMMENDED IR PROFILE PER TA842.
- 6 - RoHS COMPATIBLE PRODUCT SPECIFICATIONS
 - a - PLATING:
 - "LF" MEANS THE PRODUCT IS LEAD-FREE, 2µm MINIMUM MATTE TIN OVER 1.27µm MINIMUM NICKEL UNDERPLATE.
 - b - MANUFACTURING PROCESS COMPATIBILITY
 - THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 30 SECONDS MAX IN A CONVECTION, INFRA-RED OR VAPOR PHASE OR REFLOW OVEN.
 - c - LABELING:
 - MEETS PACKAGING SPECS AS PER GS-14-920
 - d - LEGAL STATEMENT: SEE GS-47-0004
- 7 - END STAND-OFFS FOR 1x2 UP TO 1x5 POS
NO END STAND-OFFS FOR 1x6 UP TO 1x50 POS
- 8 - THIS PART SERIES IS NOT INITIALLY INTENDED FOR AUTOMOTIVE APPLICATIONS. ADDITIONAL FEES ARE CHARGEABLE FOR ANY ADDITIONAL QUALIFICATION AND TEST REPORTS PERFORMED OUTSIDE THE SCOPE OF THE STANDARD PRODUCT SPECIFICATIONS.
- 9 - UNLESS OTHERWISE APPROVED BY AMPHENOL, ALL PARTS AND COMPONENTS ARE DESIGNED & BUILT ACCORDING TO AMPHENOL'S SPECIFICATIONS WHICH ARE SUBJECT TO CHANGE WITHOUT NOTICE.



mat'l. code	surface	tolerance	projection	product family
SEE NOTE 1 & 2	ISO 1302 ✓	ISO 406 ISO 1101	mm	DUBOX
ltr ecn no dr date	tolerances unless otherwise specified			title
AL F-52808 DDE 24.09.05	angles linear .X ±0.3			DUBOX VCC SR SMT
AM F-54453 DDE 25.01.28	.XX ±0.13		scale 5:1	BtB RECEPT.
	.XXX ±0.05			
AG B-19176 LMU 14.10.21 dr	P.NIZZI	96.10.11		dwg no
AH B-19716 BVE 14.12.11 engr	JM.PHAMVAN	96.10.11		sheet 1 of 2
AJ B-19331 LMU 15.01.08 chr	P.NIZZI	96.10.11		size
AK F-51358 DDE 24.04.25 appd	JM.PHAMVAN	96.10.11		91601
sheet	revision	AM C		type
index	sheet	1 2		CUSTOMER Drawing

EXTENDED RANGE

PRODUCT NUMBER
91601-YXXZHFLF

INDICATES THE PRODUCT IS RoHS COMPATIBLE, NOTE 6.

OPTION LETTERS, NOTE 1b, OMIT FROM PRODUCT NUMBER IF NOT APPLICABLE

PACKAGING :
(MAY BE SUBJECT TO TOOLING FEES)

A: TAPE & REEL PACKAGING WITH PICK UP CAP HOUSING AND PICK-UP CAP COLOUR GREY

K: TAPE & REEL PACKAGING WITHOUT PICK UP CAP HOUSING AND PICK-UP CAP COLOUR GREY

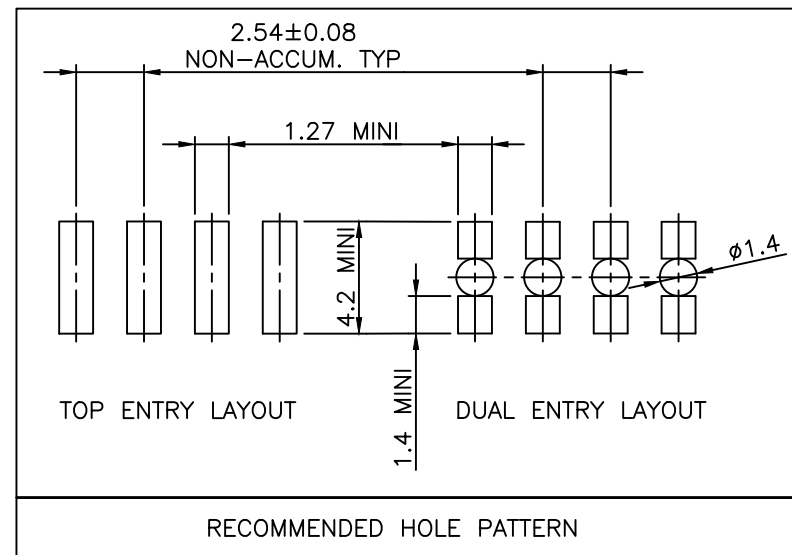
G: TAPE & REEL PACKAGING, HOUSING AND PICK-UP CAP COLOUR BLACK FOR AVAILABILITY, SEE TA856.

AV: TAPE & REEL PACKAGING FOR CUSTOMER DEDICATED PART, HOUSING AND PICK-UP CAP COLOUR GREY.

ER: TAPE & REEL WITH CAP, FOR CUSTOMER DEDICATED PART AND SPECIFIC LABEL ON REEL

NUMBER OF POSITIONS: 02 UP TO 25.
MORE THAN 25 POSITIONS ON SPECIAL REQUEST.

PLATING CODE :
3= 0.76µm GOLD ON CONTACT AREA.
2µm MIN MATTE TIN ON TAIL.
4= 2µm MIN MATTE TIN FULL PLATED
1.27µm Ni MIN UNDERPLATING



mat'l. code SEE NOTES				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection mm	product family DUBOX
ltr	ecn no	dr	date	tolerances unless otherwise specified			title
A	F04-0347	DLE	04.11.10	angles	.X ±0.3		DUBOX VCC SR SMT
B	F06-0204	DLE	06.06.23	linear	.XX ±0.15		BtB RECEPT.
C	F-54453	DDE	25.01.28	±2'	.XXX ±0.05	scale 1:1	
				dr	D LEGRAND	96.10.11	dwg no
				enr	P NIZZI	96.10.11	sheet 2 of 2
				chr	D LEGRAND	96.10.11	size
				appd	P NIZZI	96.10.11	A3
sheet index	revision						type
	sheet						Product Customer Drawing