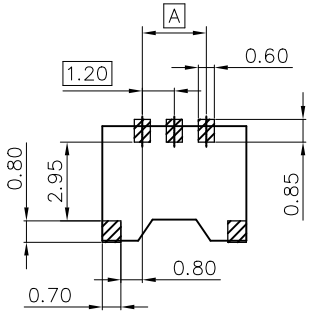




RECOMMENDED PCB LAYOUT
TOLERANCE: ±0.05

NOTE: UNLESS OTHERWISE SPECIFICED

1. ALL DIMENSIONS ARE IN MILLIMETER, PER ASME Y14.5M–2009.
2. ELECTRICAL CHARACTERISTICS:
   - 2–1 VOLTAGE RATING: 50V AC/DC. CURRENT RATING: 2A AC/DC.
   - 2–2 TEMPERATURE RANGE: –40°C~+105°C.
   - 2–3 WITHSTANDING VOLTAGE: 500V AC/MINUTE.
   - 2–4 CONTACT RESISTANCE: 20mΩ MAX INITIAL,40mΩ MAX AFTER TEST.
   - 2–5 INSULATION RESISTANCE: 100MΩ MIN.
3. OTHER CHARACTERISTICS
   - 3–1 MATE WITH RECEPTACLE: 10154457.
   - 3–2 THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE. FOR 10 SECONDS IN A IR REFLOW SOLDER APPLICATION.
   - 3–3 PRODUCT SPECIFICATION: GS–12–1548.

10154459 – XX 1 1 X 1 X LF

- NO.OF PINS
  02~06: 02~06 PIN
- COLOR
  1: BLACK
- PLATING
  1: GOLD FLASH PLATING OVERALL
  2: 3u" GOLD PLATING ON CONTACT AREA
  GOLD FLASH PLATING ON SOLDER AREA
- PACKAGE
  1: TAPE&REEL
- BLANK: STANDARD
  Y: CUSTOMER CODE
- LEAD FREE

ITEM	DESCRIPTION	MATERIAL	TREATMENT
3	HOLD DOWN	COPPER ALLOY	0.76μm MIN NICKEL PLATING OVERALL UNDERPLATED, 1.75μm MIN. TIN PLATING OVERALL NICKEL
2	TERMINAL	COPPER ALLOY	0.76μm MIN NICKEL PLATING OVERALL UNDERPLATED, SURFACE PLATING ACCORDING TO PART NUMBER
1	HOUSING	THERMOPLASTIC UL 94V–0 HALOGEN FREE	MOLD

Poles	Dimensions(mm)		
	A	B	C
02	1.20	4.20	2.64
03	2.40	5.40	3.84

mat'l. code | surface ISO 1302 | tolerance ISO 406 ISO 1101 | projection | product family: HPL 542

ltr	ecn no	dr	date
A	ELX-N-289174	LEI LU	05/12/26

tolerances unless otherwise specified
angles 0°±2° | linear 0.0±0.50, 0.00±0.25, 0.000±0.10 | mm | scale 5:1

dr	LEI LU	05/12/26
engr	LEI LU	05/12/26
chr	WARD WANG	05/12/26
appd	TIM YAO	05/12/26

title: HEADER FITMATE L/P 1.2mm
dwg no 10154459 | sheet 1 of 2 | size A3
type Product Customer Drawing

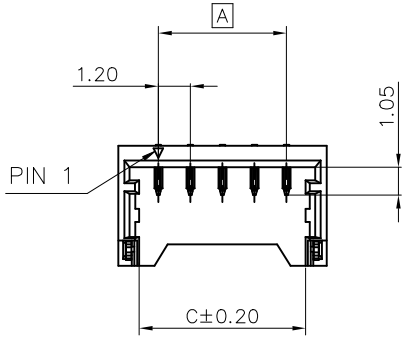
sheet index | revision A | sheet 1

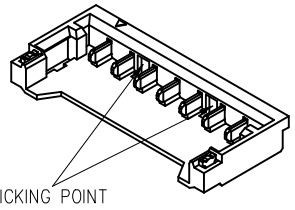
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form: A3–2016–02–24

PDS: Rev :A STATUS: Released Printed: May 18, 2026

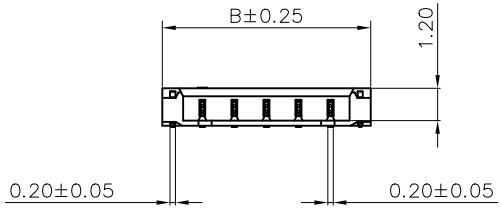
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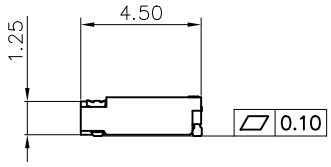


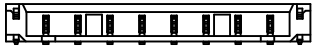


6PIN WITH STICKING POINT

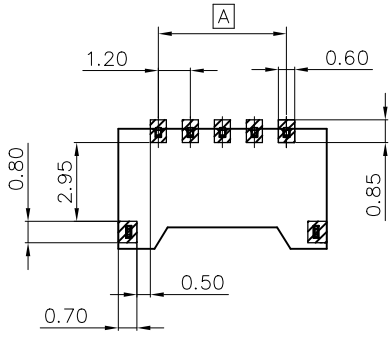


4~5PIN WITHOUT STICKING POINT





7~10PIN WITH STICKING POINT



RECOMMENDED PCB LAYOUT
TOLERANCE: ±0.05

Poles	Dimensions(mm)		
	A	B	C
04	3.60	6.60	5.04
05	4.80	7.80	6.24
06	6.00	9.00	7.44
07	7.20	10.20	8.64
08	8.40	11.40	9.84
09	9.60	12.60	11.04
10	10.80	13.80	12.24

ltr	ecn no	dr	date
A	ELX-N-289174	LEI LU	05/12/26

mat'l. code

surface ISO 1302 | tolerance ISO 406 ISO 1101 | projection

tolerances unless otherwise specified

angles 0°±2° | linear 0.0±0.50, 0.00±0.25, 0.000±0.10

mm

scale 5:1

dr	LEI LU	05/12/26
engr	LEI LU	05/12/26
chr	WARD WANG	05/12/26
appd	TIM YAO	05/12/26

product family: HPL 542

title: HEADER
FITMATE L/P 1.2mm

dwg no 10154459 | sheet 2 of 2 | size A3

type Product Customer Drawing

sheet index | revision A | sheet 2

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form: A3-2016-02-24

PDS: Rev :A STATUS: Released Printed: May 18, 2026

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