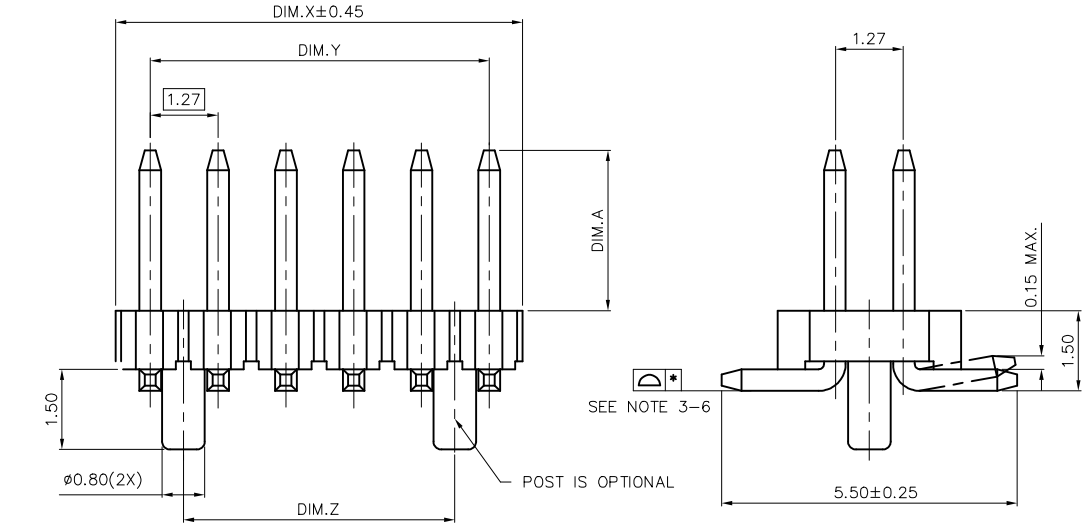
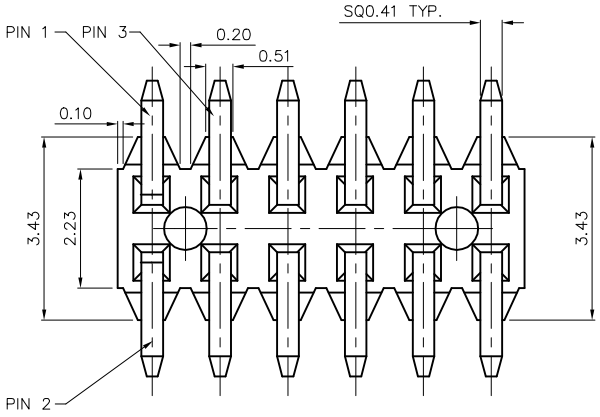
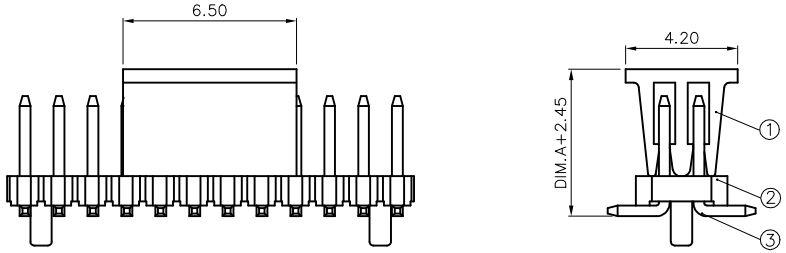
PART NO.
20021121







PRODUCT WITH CAP

NOTES: UNLESS OTHERWISE SPECIFICED

1. ALL DIMENSIONS ARE IN MILLIMETER, PER ASME Y14.5M-2009.
2. ELECTRICAL CHARACTERISTICS:
   - 2-1 VOLTAGE RATING: 125 VAC MAX..
   - 2-2 CURRENT RATING: 1.0 A MAX. PER PIN, 30℃ RISE ABOVE AMBIENT.
   - 2-3 CONTACT RESISTANCE: 20 MILLIOHMS MAX. FOR INITIAL, 40 MILLIOHMS MAX. AFTER TEST.
   - 2-4 DIELECTRIC WITHSTANDING VOLTAGE: 500V AC R.M.S..
   - 2-5 INSULATION RESISTANCE: 1000 MEGOHMS MIN..
3. OTHER CHARACTERISTICS:
   - 3-1 THE PRODUCT WILL WITHSTAND EXPOSURE TO 260℃ PEAK TERMPERATURE FOR 10 SECONDS IN A CONVECTION INFRA-RED OR VAPOR PHASE REFLOW OVEN.
   - 3-2 PRODUCT SPEC: GS-12-629.
   - 3-3 PACKAGE SPEC: GS-14-1420.
   - 3-4 MATE WITH: 20021311 / 20021321 / 20021323.
   - 3-5 THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
   - 3-6 04~38 POS.: 0.1mm, 40~100 POS.: 0.14mm.

ITEM	DESCRIPTION	MATERIAL	TREATMENT
3	CONTACT	COPPER ALLOY	1.27μm MIN. NICKEL PLATING OVERALL UNDERPLATED 1.27μm MIN. MATTE TIN OR G/F PLATING OVER NICKEL AT TAIL GOLD OR GXT PLATING ON CONTACT AREA
2	HOUSING	THERMOPLASTIC UL 94V-0	MOLDED BLACK
1	CAP	THERMOPLASTIC UL 94V-0	MOLDED BLACK

ltr	ecn no	dr	date
U	ELX-N-53032	MIKE ZHOU	26/09/24
V	ELX-N-291051	GRACE LIU	01/04/26
R	ELX-N-40994	YY BAO	05/24/21
S	ELX-N-49660	SANFORD LU	11/02/23
T	ELX-N-52544	MIKE ZHOU	12/08/24

mat'l. code

surface ISO 1302 ✓ tolerance ISO 406 ISO 1101

tolerances unless otherwise specified
angles 0°±2° linear 0.X±0.30 0.XX±0.20 0.XXX±0.10

projection

mm

scale 1:1

dr	GRACE LIU	01/04/26
engr	GRACE LIU	01/04/26
chr	LEI LQ	01/04/26
appd	TIM YAO	01/04/26

product family: HPL 585

title: MINITEK 1.27

dwg no 20021121 sheet 1 of 3 size A3

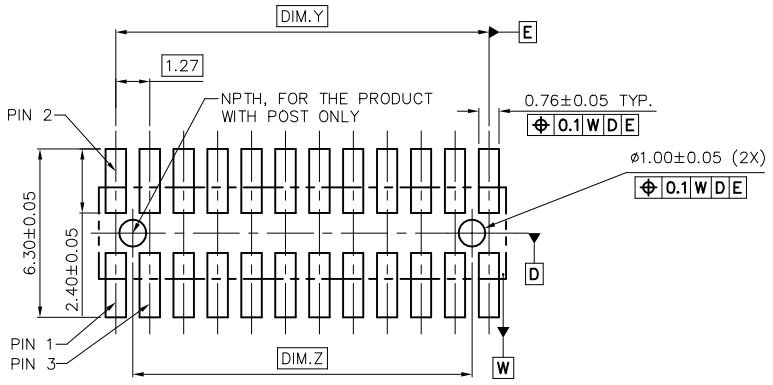
type Product Customer Drawing

sheet index | revision V | sheet 1

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PART NO.	POS.	DIM.X	DIM.Y	DIM.Z
20021121-XXX04XXLF	2 X 2	2.54	1.27	0
20021121-XXX06XXLF	2 X 3	3.81	2.54	1.27
20021121-XXX08XXLF	2 X 4	5.08	3.81	2.54
20021121-XXX10XXLF	2 X 5	6.35	5.08	3.81
20021121-XXX12XXLF	2 X 6	7.62	6.35	5.08
20021121-XXX14XXLF	2 X 7	8.89	7.62	6.35
20021121-XXX16XXLF	2 X 8	10.16	8.89	7.62
20021121-XXX18XXLF	2 X 9	11.43	10.16	8.89
20021121-XXX20XXLF	2 X 10	12.70	11.43	10.16
20021121-XXX22XXLF	2 X 11	13.97	12.70	11.43
20021121-XXX24XXLF	2 X 12	15.24	13.97	12.70
20021121-XXX26XXLF	2 X 13	16.51	15.24	13.97
20021121-XXX28XXLF	2 X 14	17.78	16.51	15.24
20021121-XXX30XXLF	2 X 15	19.05	17.78	16.51
20021121-XXX32XXLF	2 X 16	20.32	19.05	17.78
20021121-XXX34XXLF	2 X 17	21.59	20.32	19.05
20021121-XXX36XXLF	2 X 18	22.86	21.59	20.32
20021121-XXX38XXLF	2 X 19	24.13	22.86	21.59
20021121-XXX40XXLF	2 X 20	25.40	24.13	22.86
20021121-XXX42XXLF	2 X 21	26.67	25.40	24.13
20021121-XXX44XXLF	2 X 22	27.94	26.67	25.40
20021121-XXX46XXLF	2 X 23	29.21	27.94	26.67
20021121-XXX48XXLF	2 X 24	30.48	29.21	27.94
20021121-XXX50XXLF	2 X 25	31.75	30.48	29.21
20021121-XXX52XXLF	2 X 26	33.02	31.75	30.48
20021121-XXX54XXLF	2 X 27	34.29	33.02	31.75
20021121-XXX56XXLF	2 X 28	35.56	34.29	33.02
20021121-XXX58XXLF	2 X 29	36.83	35.56	34.29
20021121-XXX60XXLF	2 X 30	38.10	36.83	35.56
20021121-XXX62XXLF	2 X 31	39.37	38.10	36.83
20021121-XXX64XXLF	2 X 32	40.64	39.37	38.10
20021121-XXX66XXLF	2 X 33	41.91	40.64	39.37
20021121-XXX68XXLF	2 X 34	43.18	41.91	40.64
20021121-XXX70XXLF	2 X 35	44.45	43.18	41.91
20021121-XXX72XXLF	2 X 36	45.72	44.45	43.18
20021121-XXX74XXLF	2 X 37	46.99	45.72	44.45
20021121-XXX76XXLF	2 X 38	48.26	46.99	45.72
20021121-XXX78XXLF	2 X 39	49.53	48.26	46.99
20021121-XXX80XXLF	2 X 40	50.80	49.53	48.26
20021121-XXX82XXLF	2 X 41	52.07	50.80	49.53
20021121-XXX84XXLF	2 X 42	53.34	52.07	50.80
20021121-XXX86XXLF	2 X 43	54.61	53.34	52.07
20021121-XXX88XXLF	2 X 44	55.88	54.61	53.34
20021121-XXX90XXLF	2 X 45	57.15	55.88	54.61

PART NO.	POS.	DIM.X	DIM.Y	DIM.Z
20021121-XXX92XXLF	2 X 46	58.42	57.15	55.88
20021121-XXX94XXLF	2 X 47	59.69	58.42	57.15
20021121-XXX96XXLF	2 X 48	60.96	59.69	58.42
20021121-XXX98XXLF	2 X 49	62.23	60.96	59.69
20021121-XXXA0XXLF	2 X 50	63.50	62.23	60.96

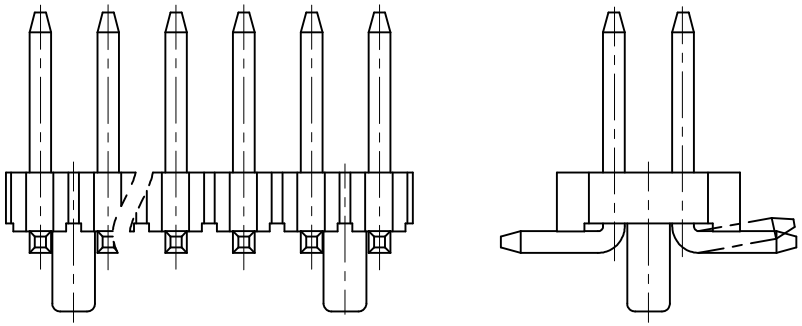


RECOMMENDED PCB LAYOUT
SCALE 5.000

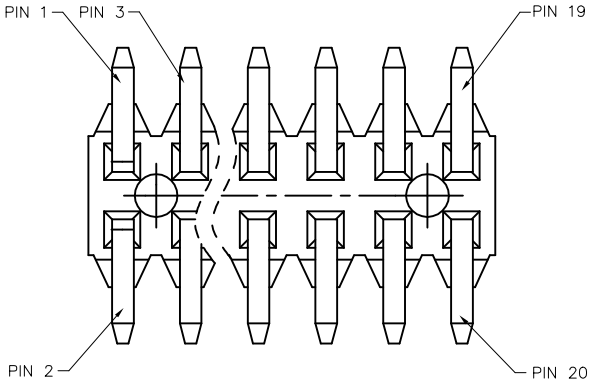
20021121-X X X XX X X LF

- LEAD FREE
- PLATING ON CONTACT AREA
  1: GOLD FLASH AT CONTACT, 1.27µm MIN. MATTE TIN AT TAIL
  2: GOLD FLASH AT CONTACT, GOLD FLASH AT TAIL
  3: 0.25GXT AT CONTACT, 1.27µm MIN. MATTE TIN AT TAIL
  4: 0.25µm GOLD AT CONTACT, 1.27µm MIN. MATTE TIN AT TAIL
  5: 0.25µm GOLD AT CONTACT, GOLD FLASH AT TAIL
  6: 0.38GXT AT CONTACT, 1.27µm MIN. MATTE TIN AT TAIL
  7: 0.38GXT AT CONTACT, GOLD FLASH AT TAIL
  8: 0.76GXT AT CONTACT, 1.27µm MIN. MATTE TIN AT TAIL
  9: 0.76GXT AT CONTACT, GOLD FLASH AT TAIL
- PACKING STYLE
  T: TUBE
  D: TUBE + CAP
  C: TAPE & REEL + CAP
  E: TAPE & REEL
- PIN NO. SEE TABLE
- MATING LENGTH (DIM"A")
  0: 3.05mm
  1: 5.55mm
- CODE
  0: STANDARD
  1: WITH OMIT PIN (SEE SHEET 3)
  V: DEDICATED CUSTOMER
- POST OPTION
  0: WITHOUT POST
  1: WITH POST

| | | |



PART NUMBER	ACTUAL PIN NO.	POLARIZED PIN
20021121-01020C1LF	16	PIN #15, #16, #17, #18 OR PIN #3, #4, #5, #6



PART NUMBER 20021121-01020C1LF

| | | |