

Pogo Pin Single Contact: BTB

70-9150



Single Pogo Pin contacts provide high cycle life in industrial and medical applications where reliability and robustness is critical. Pogo Pins provide 10,000 mating cycles and are ideal in pluggable module applications where the end customer has to handle a product daily. Pogo Pins are designed to mate with gold plated PCB pads or flat contacts in docking/cradle applications to function as the charging, data transfer or programming interface to a portable device.

The standard range single contacts from AVX provides the maximum flexibility in pin count, placement location and broad compressed stacking heights ranging from 2.0mm up to 5.5mm. The contacts are provided in standard tape and reel packaging for automatic in-line SMT placement. A disposable plastic cap facilitates vacuum pick-up and then is removed after reflow soldering prior to product mating. Contacts are gold plated and incorporate high force stainless steel springs for durability and signal integrity.

APPLICATIONS

- Base/Docking stations for portable electronic devices to recharge batteries or download data
- Testing and programming of electronic modules
- Interface to disposable medical or measurement components

FEATURES AND BENEFITS

- Contacts range from 2.0mm to 5.5mm providing off-the-shelf availability for almost any application
- Each contact height provides the maximum working range and compressed height tolerance possible
- Gold plated contacts provide high reliability and signal integrity over 10,000 cycles
- Removable pick-up cap facilitates automatic placement for SMT reflow

ELECTRICAL

- Current Rating: 1 Amp
- Voltage Rating:
Based on placement distance

ENVIRONMENTAL

- Operating Temperature:
-40°C to +125°C

MECHANICAL

- Contact Material: Brass
- Contact Plating: Gold over Nickel
- Spring Material: SUS304
- Durability: 10k Cycles

HOW TO ORDER

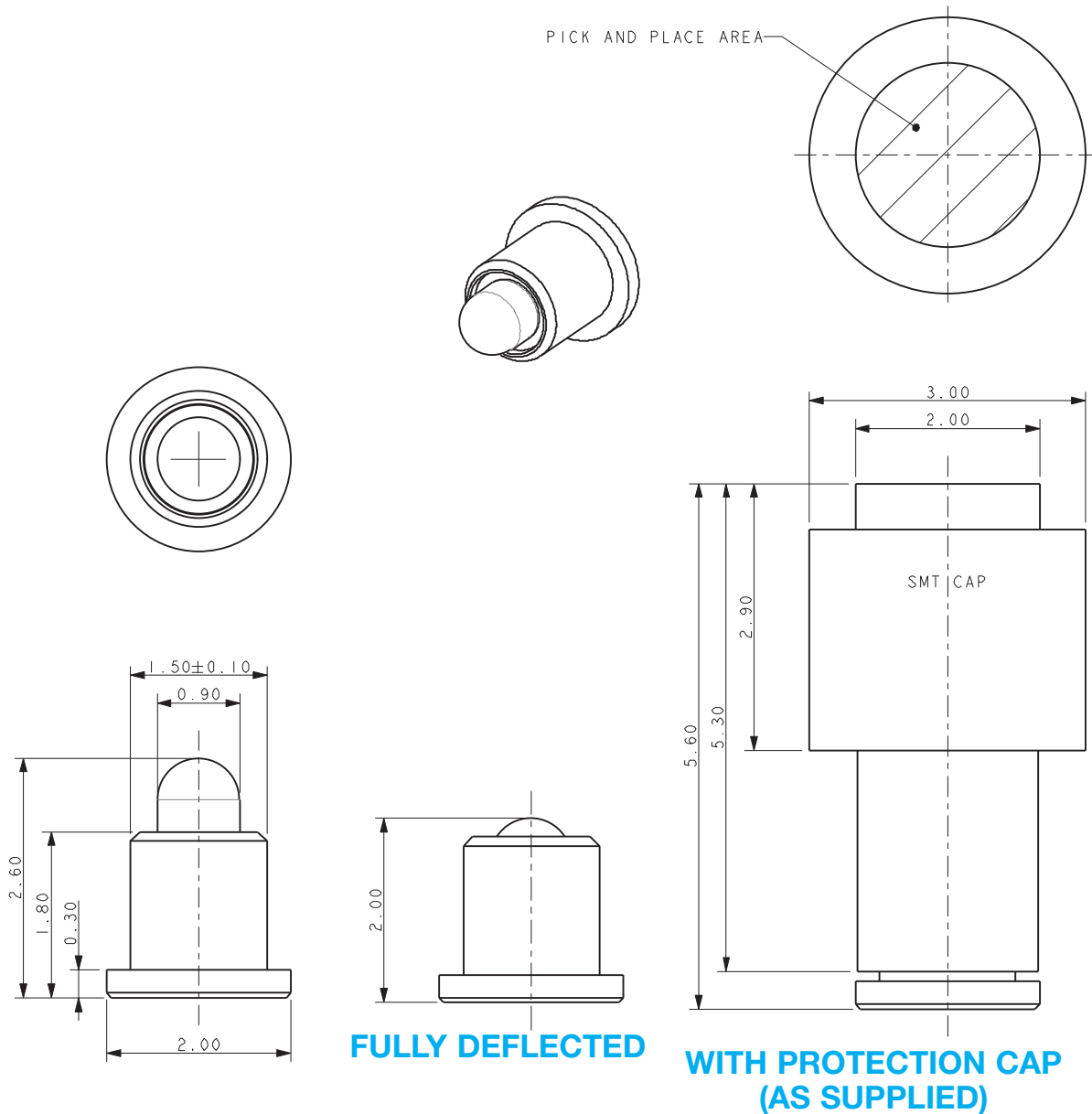
70	9150	001	0XX	0	0	6
Prefix	Series	Number of Ways	Contact Operating Range	Sleeve Diameter	Packing Option	Plating Option
70 = Contact		001 = 1	020 = 1.90 to 2.30 025 = 2.40 to 2.80 030 = 2.90 to 3.40 040 = 3.90 to 4.50 050 = 4.90 to 5.50	0 = 1.50	0 = Tape & Reel	6 = Gold over Nickel



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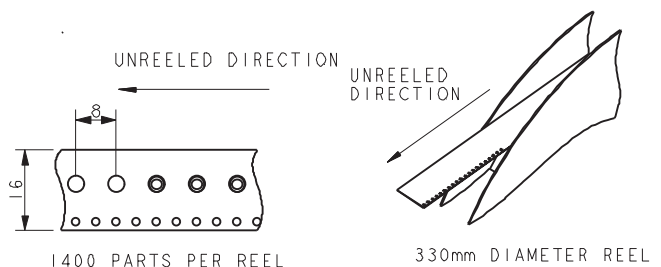
1.50MM DIAMETER 2MM HIGH POGO PIN



NOTES:

1. SERIES 9150 POGO PIN, WORKING HEIGHT 2MM TO 2.3MM.
2. MATERIAL: PIN AND SLEEVE, COPPER ALLOW PLATED GOLD OVER NICKEL. SPRING STAINLESS STEEL.
3. SUPPLIED WITH A PROTECTION CAP IN PA9T. SUITABLE FOR PICK AND PLACE AND RE-FLOW.
4. PACKING IN TAPE AND REEL, QUANTITY PER REEL 1400.
5. DURABILITY 10,000 OPERATIONS FOR OTHER PRODUCT DETAILS REFER TO SPECIFICATION 201-01-158.
6. GENERAL TOLERANCE ± 0.20 UNLESS STATED.
7. PCB DETAILS ON PAGE 7.

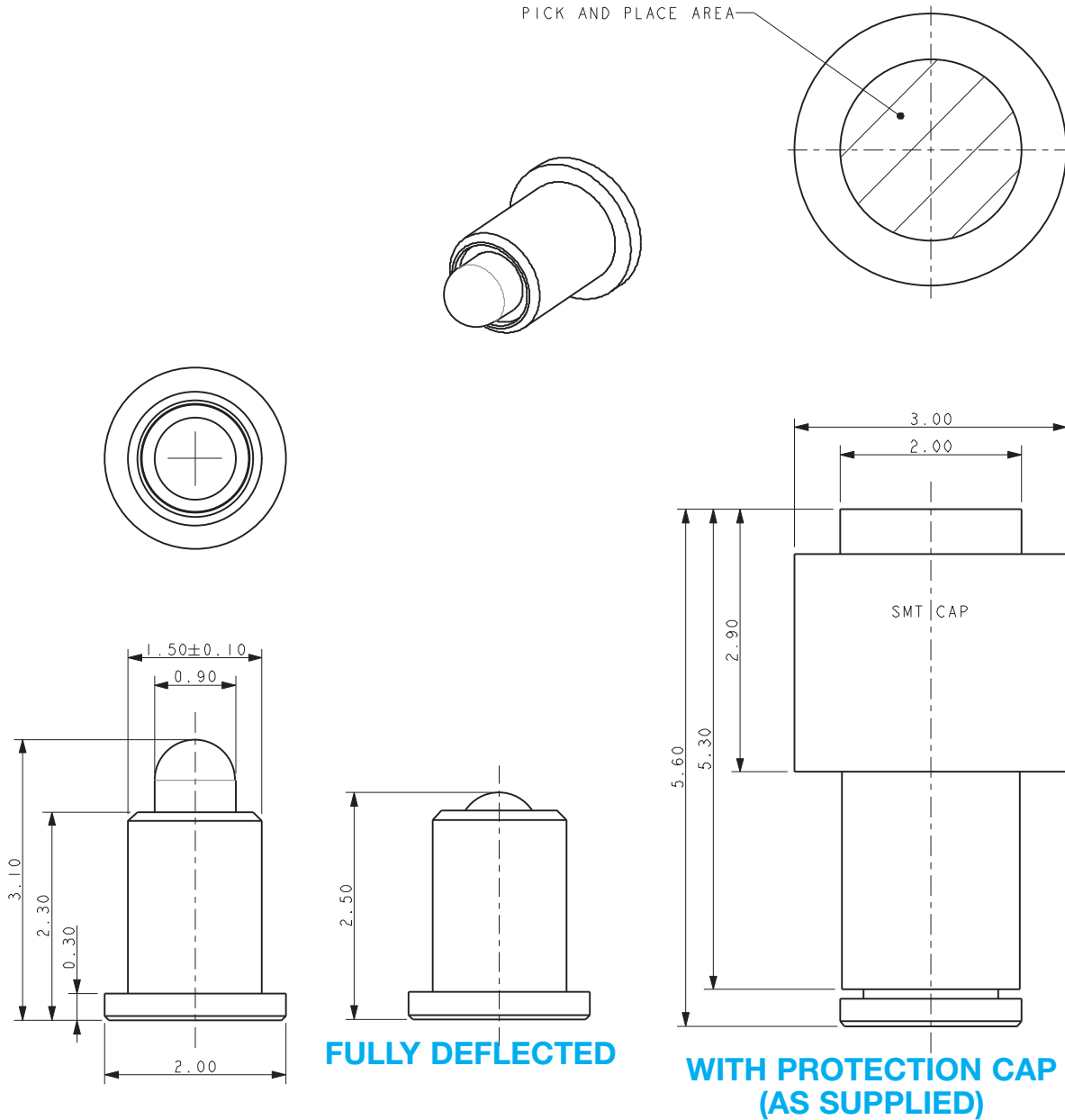
PACKING DETAILS



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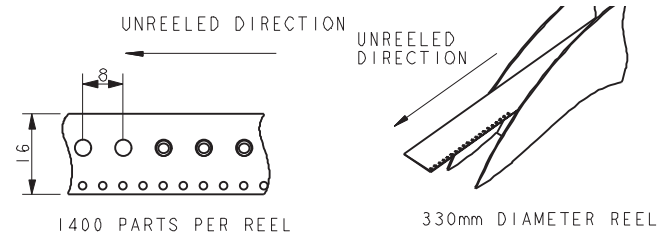
1.50MM DIAMETER 2.5MM HIGH POGO PIN



NOTES:

1. SERIES 9150 POGO PIN, WORKING HEIGHT 2.5MM TO 2.8MM.
2. MATERIAL: PIN AND SLEEVE, COPPER ALLOW PLATED GOLD OVER NICKEL. SPRING STAINLESS STEEL.
3. SUPPLIED WITH A PROTECTION CAP IN PA9T. SUITABLE FOR PICK AND PLACE AND RE-FLOW.
4. PACKING IN TAPE AND REEL, QUANTITY PER REEL 1400.
5. DURABILITY 10,000 OPERATIONS FOR OTHER PRODUCT DETAILS REFER TO SPECIFICATION 201-01-158.
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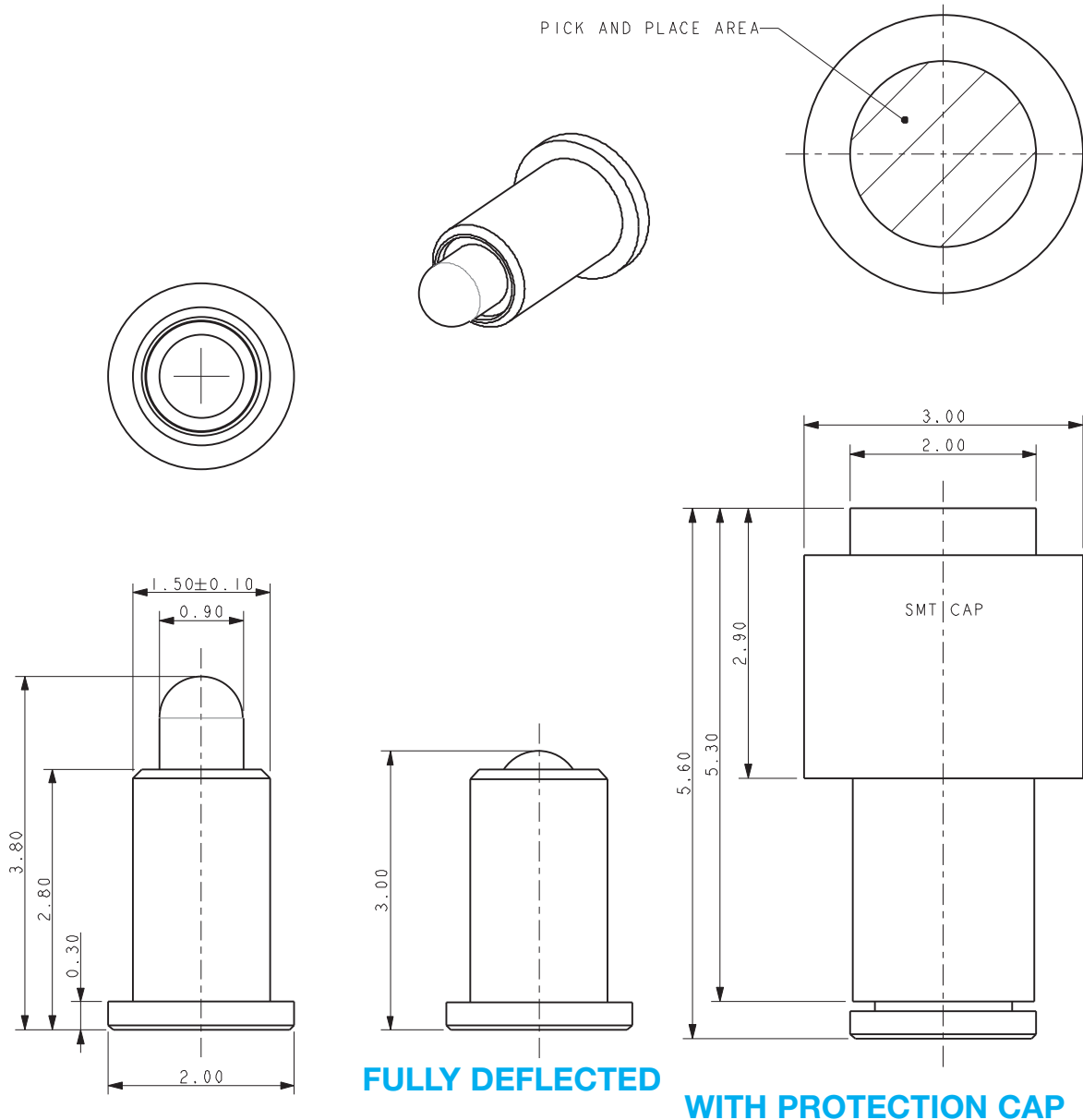
PACKING DETAILS



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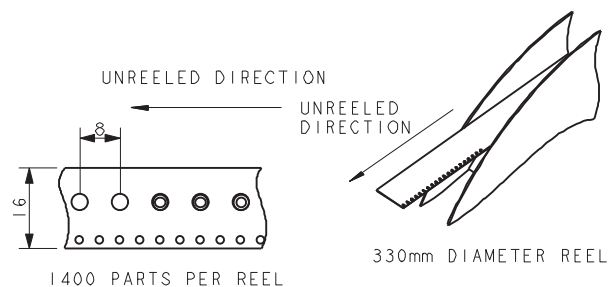
1.50MM DIAMETER 3MM HIGH POGO PIN



NOTES:

1. SERIES 9150 POGO PIN, WORKING HEIGHT 3MM TO 3.4MM.
2. MATERIAL: PIN AND SLEEVE, COPPER ALLOW PLATED GOLD OVER NICKEL. SPRING STAINLESS STEEL.
3. SUPPLIED WITH A PROTECTION CAP IN PA9T. SUITABLE FOR PICK AND PLACE AND RE-FLOW.
4. PACKING IN TAPE AND REEL, QUANTITY PER REEL 1400.
5. DURABILITY 10,000 OPERATIONS FOR OTHER PRODUCT DETAILS REFER TO SPECIFICATION 201-01-158.
6. GENERAL TOLERANCE ± 0.20 UNLESS STATED.
7. PCB DETAILS ON PAGE 7.

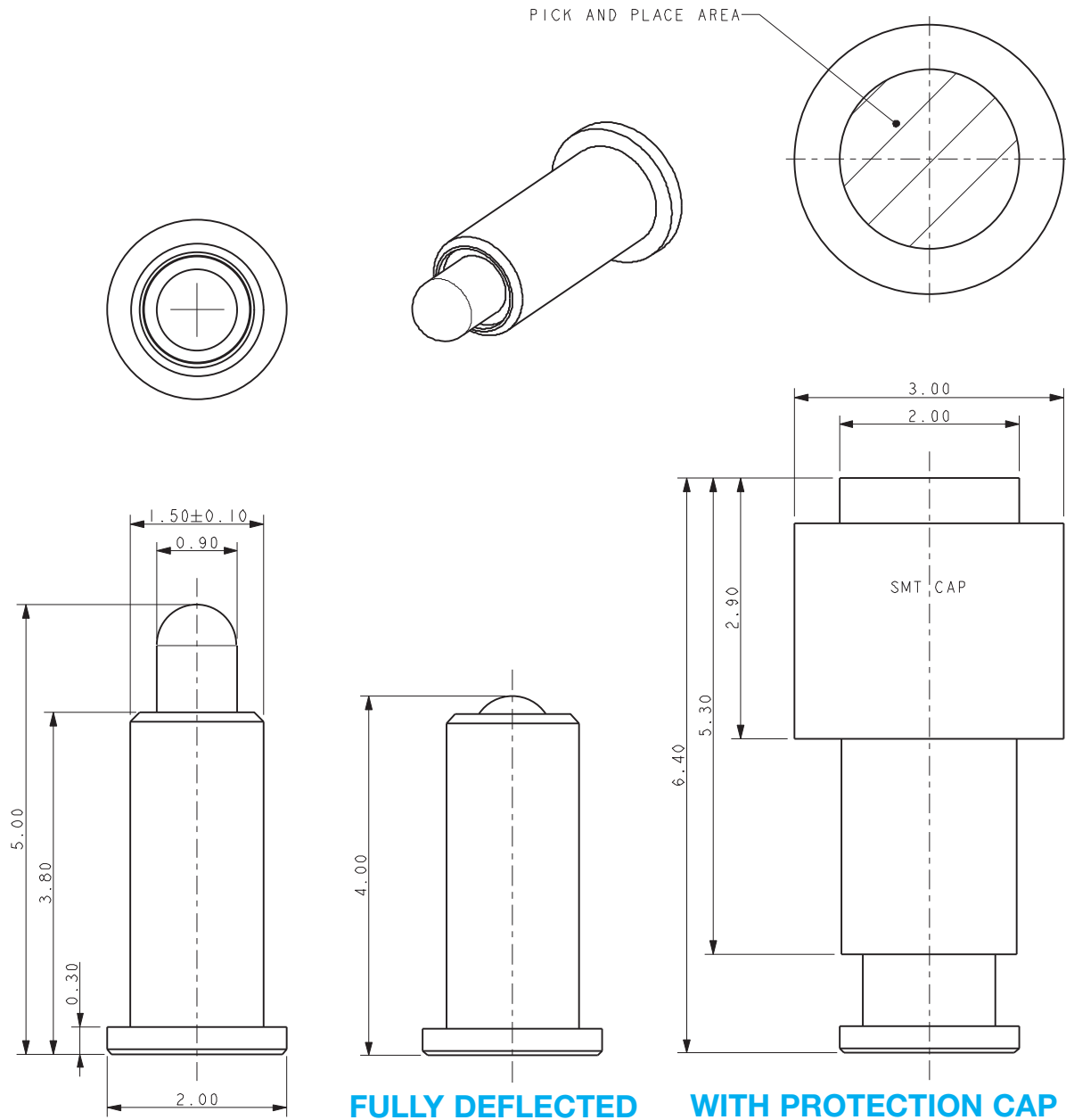
PACKING DETAILS



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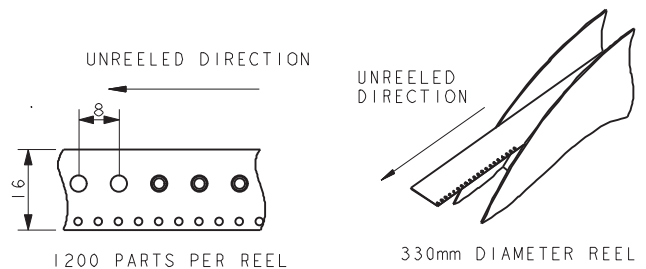
1.50MM DIAMETER 4MM HIGH POGO PIN



NOTES:

1. SERIES 9150 POGO PIN, WORKING HEIGHT 4MM TO 4.5MM.
2. MATERIAL: PIN AND SLEEVE, COPPER ALLOW PLATED GOLD OVER NICKEL. SPRING STAINLESS STEEL.
3. SUPPLIED WITH A PROTECTION CAP IN PA9T. SUITABLE FOR PICK AND PLACE AND RE-FLOW.
4. PACKING IN TAPE AND REEL, QUANTITY PER REEL 1400.
5. DURABILITY 10,000 OPERATIONS FOR OTHER PRODUCT DETAILS REFER TO SPECIFICATION 201-01-158.
6. GENERAL TOLERANCE ± 0.20 UNLESS STATED.
7. PCB DETAILS ON PAGE 7.

PACKING DETAILS

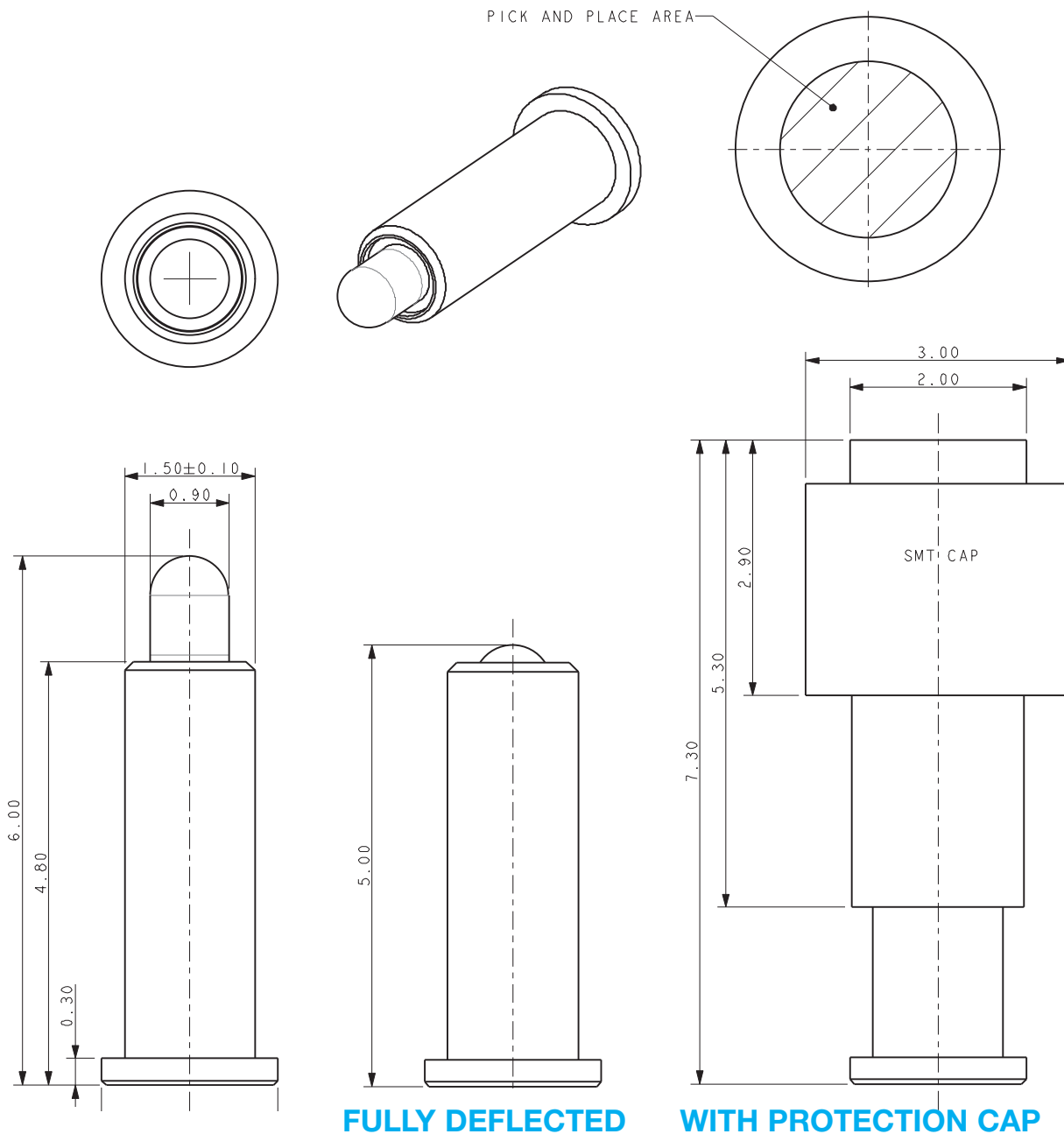


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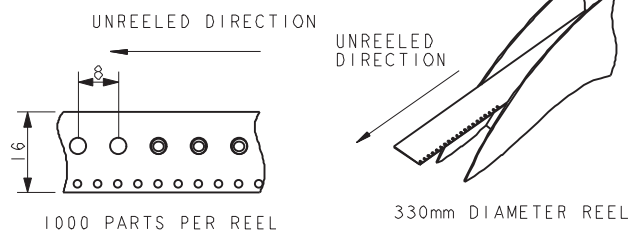
1.50MM DIAMETER 5MM HIGH POGO PIN



NOTES:

1. SERIES 9150 POGO PIN, WORKING HEIGHT 5MM TO 5.5MM.
2. MATERIAL: PIN AND SLEEVE, COPPER ALLOW PLATED GOLD OVER NICKEL. SPRING STAINLESS STEEL.
3. SUPPLIED WITH A PROTECTION CAP IN PA9T. SUITABLE FOR PICK AND PLACE AND RE-FLOW.
4. PACKING IN TAPE AND REEL, QUANTITY PER REEL 1400.
5. DURABILITY 10,000 OPERATIONS FOR OTHER PRODUCT DETAILS REFER TO SPECIFICATION 201-01-158.
6. GENERAL TOLERANCE ± 0.20 UNLESS STATED.
7. PCB DETAILS ON PAGE 7.

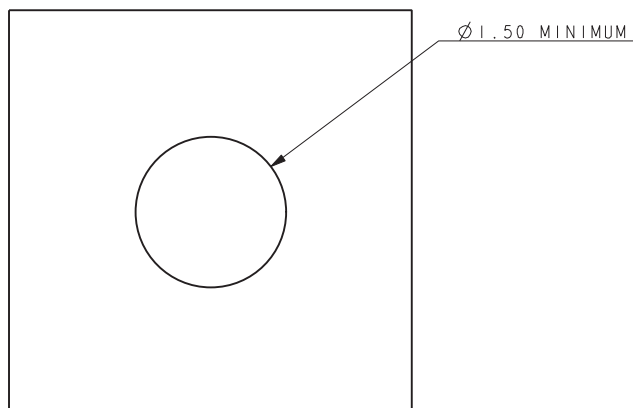
PACKING DETAILS



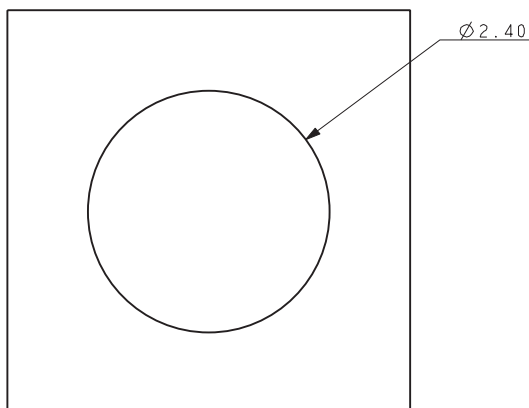
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PCB DETAILS



**SUGGESTED MATING PCB
PAD TO BE PLATED GOLD OVER NICKEL**



SUGGESTED MOUNTING PCB

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9