

HONDA TSUSHIN KOGYO CO., LTD. TOKYO JAPAN	Sheet	1 of 4
	Date	Jul 27, 2012

PRODUCT SPECIFICATION SFP+ press-in cage (8 press-in legs and 3 EMI clips)	Approved by	Checked by	Written by
	<i>[Signature]</i>	—	<i>M. Kasahara</i>

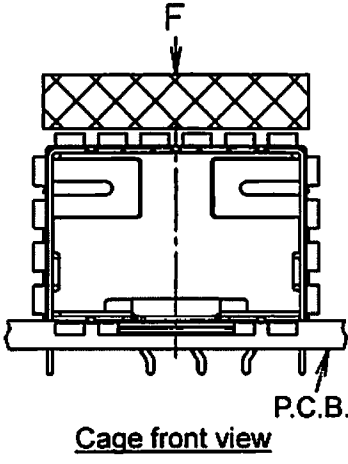
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LTR.	Date	By	Rev. description

1. Cage part number
 AKX-BCGP

2. Specification

No.	Item	Specification
1	Operating Temperature	- 40°C ~ 85°C
2	Storage Temperature	- 40°C ~ 85°C
3	Humidity	85%RH maximum
4	Press-in insertion force	Measure insertion force when cage is settled in PCB with the force applied at the top. It shall be between 100N to 294N.

5	Cage strength	<p>When the force of 300N is applied to the cage for five seconds at all over the top (Hatching area) with flat press block, cage shall satisfy the following requirements.</p> <ol style="list-style-type: none"> 1) Appearance There shall be no evident damage. 2) Cage lock force See item #8 3) Cage kick-out spring force See item #7
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No.	Item	Specification
6	Contact resistance	Measure contact resistance in accordance with Method 3002.1 of MIL-STD-1344. 1) Press-in contact Contact resistance between cage and PCB through press-in contact shall not exceed 100m ohm including cage material resistance. After environment and durability test, it shall not exceed 200m ohm. 2) FG clip There shall be electrical connection between cage and PCB through FG clip.
7	Cage kick-out spring force	When steel examination tool is released out of cage by finger spring at the back end, it shall move forward from transceiver locking position.
8	Cage lock force	Measure cage lock force when steel examination tool is pulled out of cage. it shall be no less than 90N.
9	Cage retention force	Measure retention force when cage is removed from PCB. It shall not be less than 39.2N.
10	Durability	When subjected to 100 cycles of insertion and withdrawal cycle with steel examination tool at the rate of 600 cycles per hour, cage shall satisfy the following requirements. 1) Appearance There shall be no evident damage. 2) Cage lock force See item #8. 3) Cage kick-out spring force See item #7. 4) Contact resistance See item #6.
11	Moisture resistance	When tested in accordance with Method 106E of MIL-STD-202F-G, cage shall satisfy the following requirements. Temperature: -10°C to 65°C Humidity: 90 to 98%RH Test cycle: 10cycles (1 cycle is 24hours.) 1) Appearance There shall be no any excessive corrosion on every part of cage. 2) Contact resistance See item #6.

No.	Item	Specification
12	Thermal shock	<p>When tested in accordance with Method 107G of MIL-STD-202F-G, test condition A, cage shall satisfy the following requirements. Temperature: -55°C to 85°C Test cycle: 100cycles</p> <ol style="list-style-type: none"> 1) Appearance There shall be no evident damage. 2) Contact resistance See item #6.
13	High temperature life	<p>When tested in accordance with Method 108A of MIL-STD-202F-G, cage shall satisfy the following requirements. Temperature: 85°C Test time: 250 hours</p> <ol style="list-style-type: none"> 1) Appearance There shall be no evident damage. 2) Contact resistance See item #6.
14	Vibration	<p>When tested in accordance with Method 204D of MIL-STD-202F-G, Test condition B, cage shall satisfy the following requirements. Acceleration: 98 m/s² peak Frequency range: 10Hz to 500Hz</p> <ol style="list-style-type: none"> 1) Appearance There shall be no evident damage. 2) Contact resistance See item #6.
15	Shock	<p>When tested in accordance with Method 213B of MIL-STD-202F-G, Test condition C, cage shall satisfy the following requirement. Acceleration: 490 m/s² (Semi- sine wave) Standard holding time: 6 milliseconds</p> <ol style="list-style-type: none"> 1) Appearance There shall be no evident damage. 2) Contact resistance See item #6.

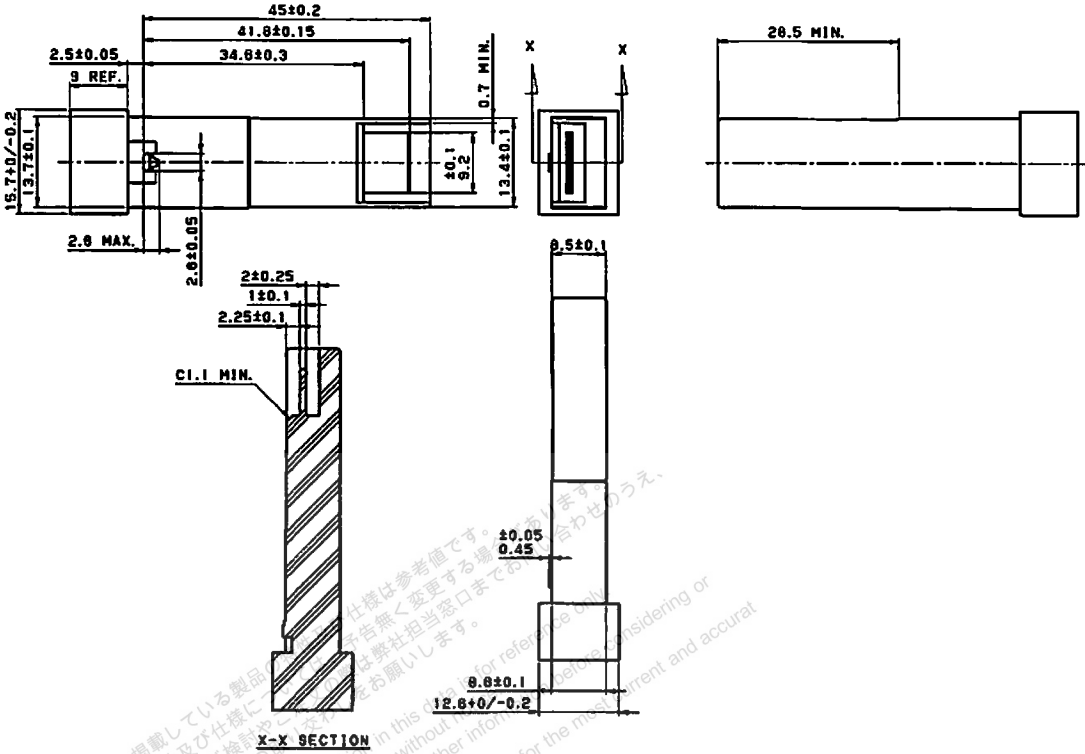


Fig 1. Steel examination tool as dummy optical transceiver

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The product information in this drawing is for reference only.
This is subject to change without further information. Please contact our sales department for further information.
Please request Engineering Department for the measurement and accurate design information.

HTK