

HONDA TSUSHIN KOGYO CO., LTD.
TOKYO JAPAN

Sheet

1 of 3

DATE

January 23, 2003

PRODUCT SPECIFICATION

SFP (Small Form Factor Pluggable) dip type cage
(11 solder tails)

Approved by

Checked by

Written by

K. Kasai
K. Kasai

K. Takahashi
K. Takahashi

M. Kasahara
M. Kasahara

$\triangle 2$	Aug.09.2007	M.K
$\triangle 1$	Apr.22.2003	K.Y
LTR.	Date	By

Change Note

New Rev.

Rev. description

1. Cage part number

Cage part number	Note	Suitable PCB thickness
AKX-CG	Assembled top and bottom cages	1.6mm
AKX-CG-01	Bottom cage $\triangle 2$	
AKX-CGP-02	Top cage $\triangle 2$	

2. Specification

No.	Item	Specification
1	Storage temperature	- 40°C ~ 85°C
2	Humidity	85%RH maximum
3	Cage lock force	Measure cage lock force when steel examination tool is pulled out of cage, it shall be no less than 90 N.
4	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.
5	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 #3. 3) Cage kick-out spring force See item #4.
6	Moisture resistance	When tested in accordance with Method 106E of MIL-STD-202F-G, there shall be no any excessive corrosion on every part of cage. Temperature: -10°C ~ 65°C Humidity: 90 ~ 98%RH Test cycle: 10cycles (1cycle is 24hours.)
7	Thermal shock	When tested in accordance with Method 107G of MIL-STD-202F-G, Test condition A, there shall be no evident damage. Temperature: -55°C ~ 85°C Test cycle: 5cycles

No.	Item	Specification
8	High temperature life	When tested in accordance with Method 108A of MIL-STD-202F-G, there shall be no evident damage. Temperature: 85°C Test time: 250 hours
9	Mixed flowing gas	When tested in accordance with EIA-364-65A, test condition class 2, There shall be no any excessive corrosion on every part of cage. Concentration: H ₂ S: 10ppb NO ₂ : 200ppb CL ₂ : 10ppb SO ₂ : 100ppb Temperature: 30°C Test time: 14 days
10	Vibration	When tested in accordance with Method 204D of MIL-STD-202F-G, Test condition B, there shall be no evident damage. Acceleration: 98 m/s ² peak Frequency range: 10Hz to 500Hz
11	Shock	When tested in accordance with Method 213B of MIL-STD-202F-G, Test condition C, there shall be no evident damage. Acceleration: 490 m/s ² (Semi- sine wave) Standard holding time: 6 milliseconds
12	Solderability	When tested in accordance with Method 208E of MIL-STD-202F-G, contact termination shall be 95% covered with new continuous solder coating. Temperature: 245±5°C Test time: 5 ~ 10 seconds
13	Resistance to soldering heat	When exposed to the following soldering condition per each category, there shall be no any excessive thermal damage on every part of cage. Hand soldering: Soldering iron temperature: 350±10°C Soldering time: 2 ~ 3 seconds Dip soldering: Solder bath temperature: 260±10°C Soldering time: 10 seconds

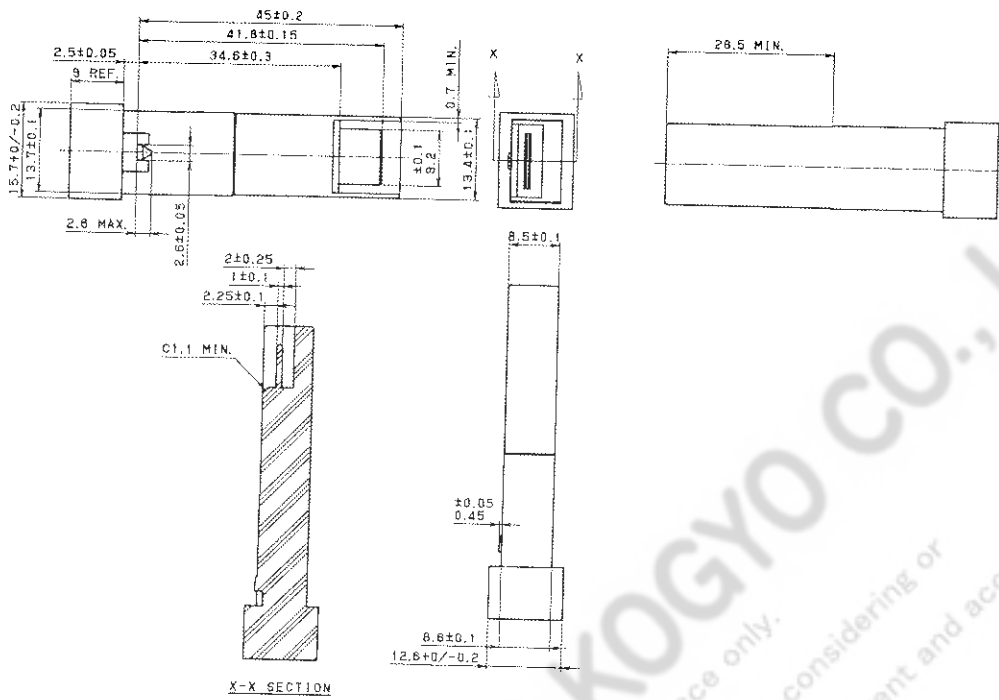


Fig. 1 Steel examination tool as dummy optical transceiver

HONDA TSUSHIN KOGYO CO., LTD.
 The product information in this data is for reference only.
 This is subject to change without notice.
 Contact our sales staff for further information before considering or
 ordering any of our products.
 Please request the Engineering Drawing for the most current and accurate
 design information.