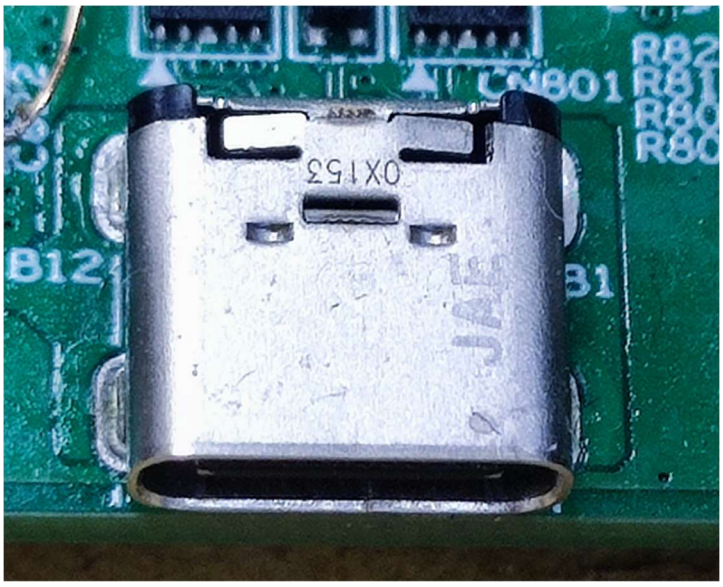
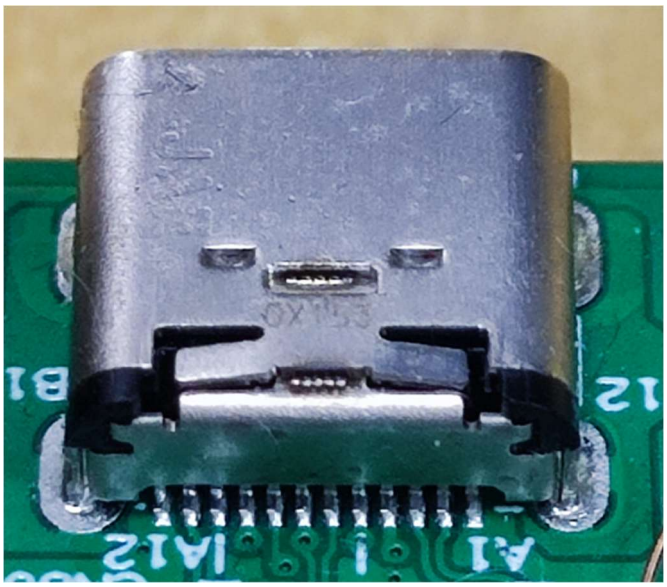
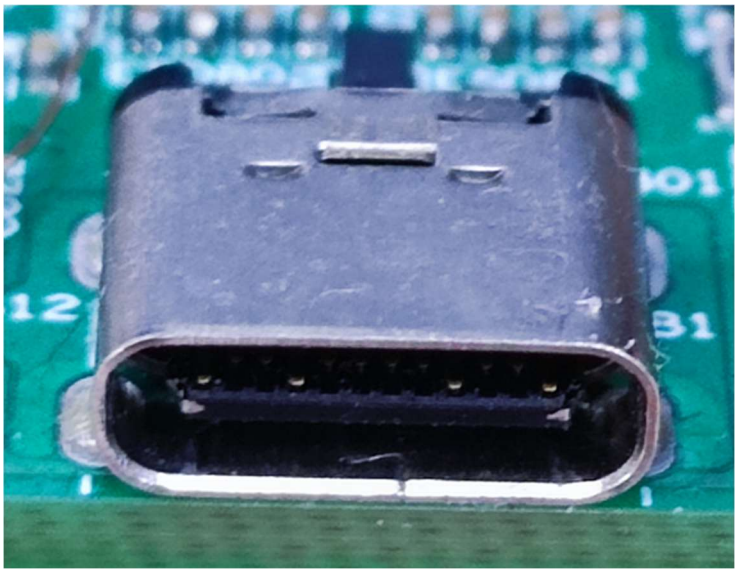
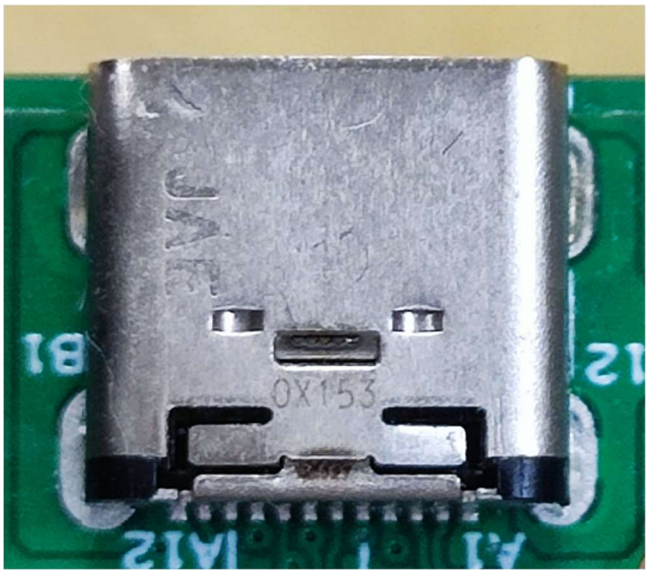








設計驗證
工程課
2025 -06- 24
發行

承　認　書

SPECIFICATION FOR APPROVAL

DIVA Laboratories. Ltd.

JAE P/N: DX07S024JJ2R1300

DIVA P/N: 3FU02401910 (F0322)

Description: USB3.0_F (C TYPE, DX07S024JJ2_H, JAE)

設計驗證
工程課
2025 -06- 24
發行
藍緯科技開發股份有限公司

APPROVED NO.: 承認編號:

APPROVED DATE: 承認日期:2025/6

	單位 DEPARTMENT	主管 CHIEF	核對 CHECKED	承辦 APPROVED
承認	HOWTEH TECHNOLOGY CO., LTD. 好德 科技股份有限公司 TEL:(02)2570-8818 電子被動元件事業處 台北市敦化南路一段25號6樓	Jim Chen		Joanne Lin

提供者

好 德 科 技 股 份 有 限 公 司

HOWTEH TECHNOLOGY CO., LTD.

台北市松山區 105 敦化南路 1 段 25 號 6F　　TEL.:02-2570-8818

6F, NO. 25, SEC. 1, TUN HUA S. RD. TAIPEI 105, TAIWAN, R. O. C　　**FAX :02-2570-9888**

INDEX

- PAGE 1 INDEX
- PAGE 2 SPECIFICATION REVISIONS
- PAGE 3-7 DX07 SERIES CATALOG
- PAGE 8 PRODUCT DRAWING
- PAGE 9 PACKING DRAWING
- PAGE 10-16 SPECIFICATION
- PAGE 17 RoHS & Reach SVHC Non-Use Declaration

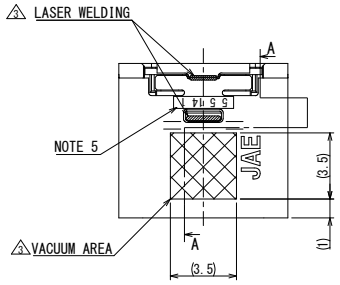
SPECIFICATION REVISIONS

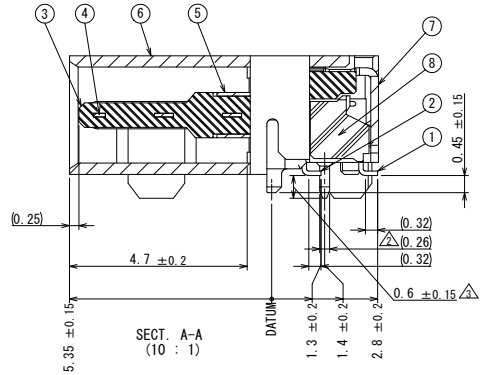
Revision	Specification Changes	Date
1	Initial Release	06/05/25

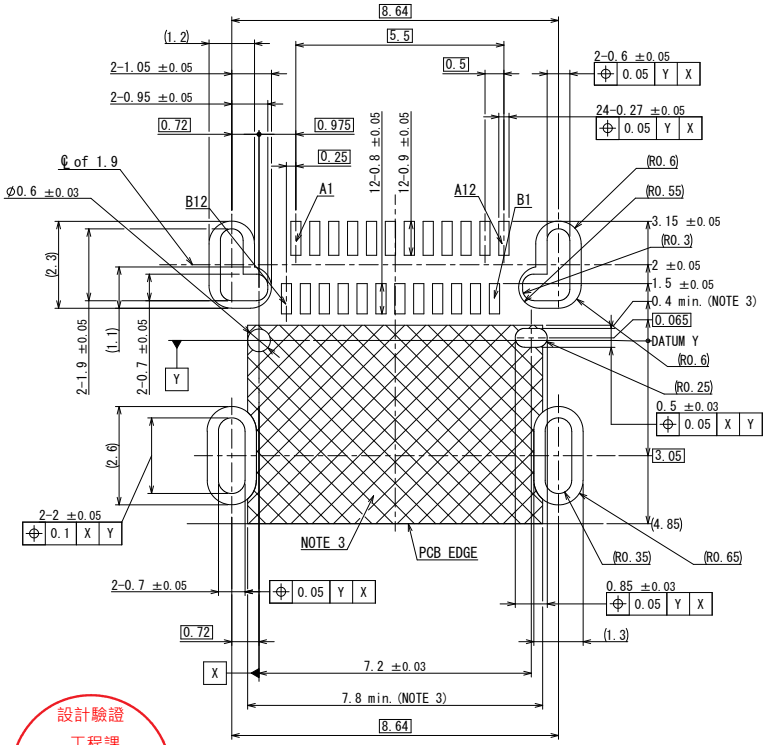
図面番号(DRAWING NO.) SJ115946

版数 VER.	年月日 DATE	CN NO.	変更内容 DESCRIPTION	製図 DR.	担当 CHK.	査閲 APPD.	承認 APPD.
2	25/JUN/2015	013535	ADDED DIMENSION	K. SAITOU	K. UEDA	—	Y. SAITOU
3	07/JAN/2016	015856	ADDED NOTE etc.		K. SAITOU	—	Y. SAITOU

WISDOM承認 2016/01/22

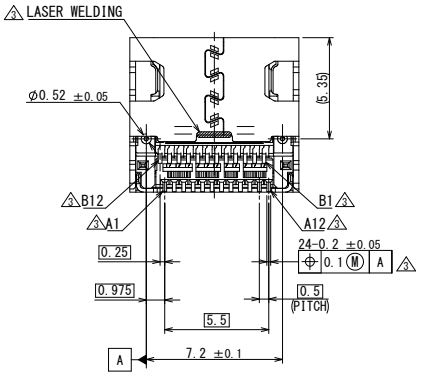


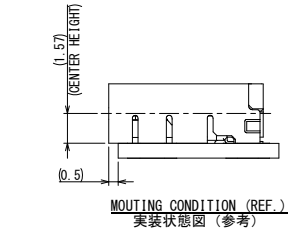


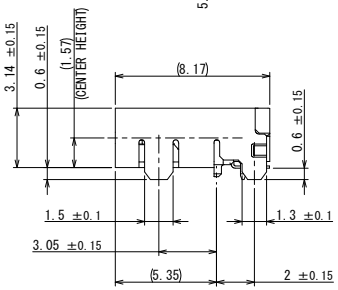


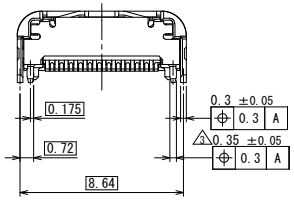
△3 CONNECTOR MOUNTING SURFACE SIDE VIEW

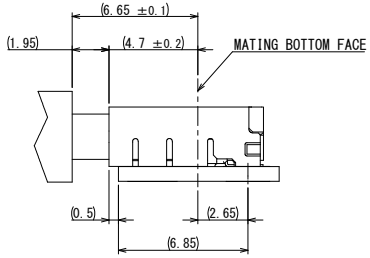
APPLICABLE P.C.B DIMENSION (REF.)
適合基板寸法（参考）











△3 MATED CONDITION (REF.)
嵌合状態図（参考）

設計驗證 工程課 2025-06-24 發行 (証券有限公司)

NOTE 1. THIS PRODUCT IS HALOGEN-FREE PRODUCT.
NOTE 2. COPLANARITY OF SMT TERMINAL IS 0.1 MAX.
NOTE 3. NO PCB ROUTING ALLOWED IN THIS AREA.
NOTE 4. THE SHELL LENGTH IS LESS THAN THE MINIMUM REFERENCES IN THE USB TYPE C STANDARD. AS SUCH THE SYSTEM IMPLEMENTER IS RESPONSIBLE FOR ACHIEVING PRODUCT RELIABILITY. THAT THE CONNECTOR BE MOUNTED SUCH THAT ALL FUNCTIONAL USB REQUIREMENTS ARE MET.
NOTE 5. LOT NUMBER IS MARKED AS INDICATED.

(EX) 5 5 14 1
- YEAR (END OF ONE DIGIT AT CHRISTIAN ERA)
- MONTH (JAN. TO SEP. : 1 TO 9, OCT. : O, NOV. : X, DEC. : Y)
- DAY (TWO-DIGITS NUMBER)
- EQUIPMENT No. (NUMBER OR ALPHABET)

△3 NOTE 6. PIN ASSIGNMENT (FRONT VIEW)

Pin No.	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
	GND	TX1+	TX1-	V_{BUS}	CC1	D+	D-	SBU1	V_{BUS}	RX2-	RX2+	GND
	GND	RX1+	RX1-	V_{BUS}	SBU2	D-	D+	CC2	V_{BUS}	TX2-	TX2+	GND
Pin No.	B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1

△3 TABLE 1. CONTACT PLATING

	FINISH	PLATING THICKNESS
CONTACT AREA	GOLD FLASH OVER PLLADIUM-NICKEL OVER NICKEL	NICKEL: 2 μm MIN. PALLADIUM-NICKEL: 0.75 μm MIN. GOLD FLASH: 0.05 μm MIN.
SOLDER TALES	GOLD FLASH OVER NICKEL	NICKEL: 2 μm MIN. GOLD FLASH: 0.03 μm MIN.

3FU02401910 (F0322)

符号 NO.	名称 DESCRIPTION	個数 QTY.	材料 MATERIAL	仕上 FINISH	備考 REMARKS
8	INSULATOR 2	1	HEAT RESISTING PLASTIC	COLOR:BLACK	
7	REAR SHIELD	1	STAINLESS STEEL	NICKEL PLATING	
6	SHELL	1	STAINLESS STEEL	NICKEL PLATING	
5	GND PLATE	2	STAINLESS STEEL	NICKEL PLATING	
4	MID PLATE	1	STAINLESS STEEL	NICKEL PLATING	
3	INSULATOR 1	1	HEAT RESISTING PLASTIC	COLOR:BLACK	
2	CONTACT B	12	COPPER ALLOY	TABLE 1 △3	
1	CONTACT A	12	COPPER ALLOY	TABLE 1 △3	

仕様書 (SPECIFICATION)	JACS-30353 JAHL-30353-1 △3	第1版 (ORIGINAL DATE)	14/MAY/2015
一般公差 (GENERAL TOLERANCE)	寸法 (DIMENSION): ±0.8 / × ±0.4 / ×× ±0.1 / ××× ± 角度 (ANGLES): ×° ± / ×°' ±
製図 DR.		尺度 (SCALE)	5:1
担当 CHK.	K. UEDA	シリーズ (SERIES)	DX07
査閲 APPD.	—	名称 (TITLE)	DX07S024JJ2
承認 APPD.	Y. SAITOU	質量 (MASS)	
単位 (UNIT) : mm		図面番号 (DRAWING NO.)	SJ115946
		SIZE	A2
		版数 (VER.)	3

日本航空電子工業株式会社
JAPAN AVIATION ELECTRONICS INDUSTRY, LTD.

JAE-CONNECTOR.COM

JAE Connector DIV. Proprietary. Copyright(C) 2015, Japan Aviation Electronics Industry, LTD.

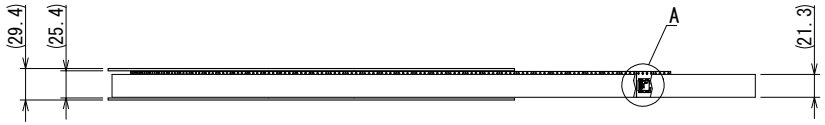
DOF-C-213H(12.08)

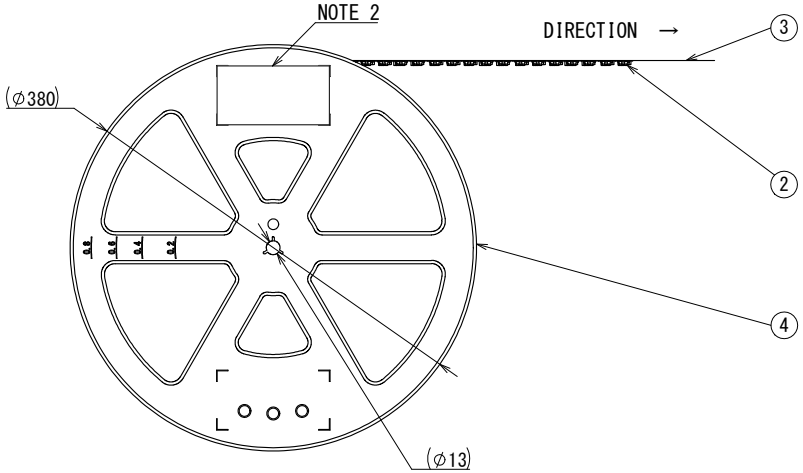
S/W

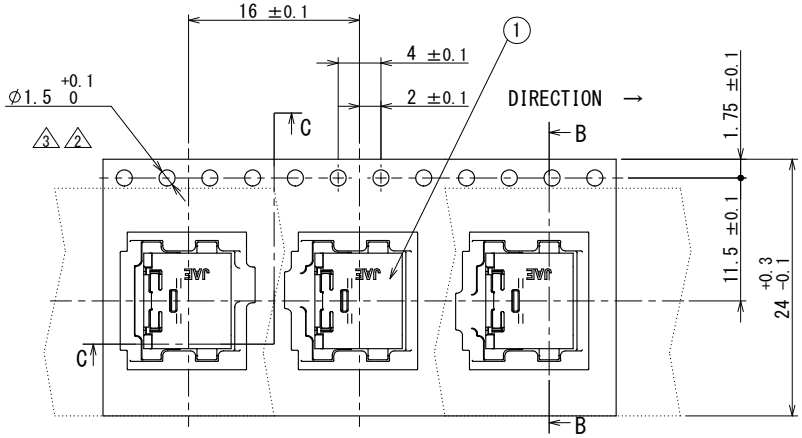
版数 VER.	年月日 DATE	CN NO.	変更内容 DESCRIPTION	製図 DR.	担当 CHK.	査閲 APPD.	承認 APPD.
2	18/AUG/2016	017167	CHANGE OF CARRIER TAPE CONFIGURATION.		K.SAITOU	K.UEDA	Y.SAITOU
3	12/DEC/2017	023490	CHANGE OF CARRIER TAPE CONFIGURATION.		K.SAITOU	T.NAITOU	Y.SAITOU

図面番号(DRAWING NO.) SJ115947

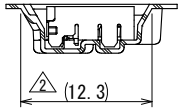
WISDOM承認 2017/12/18



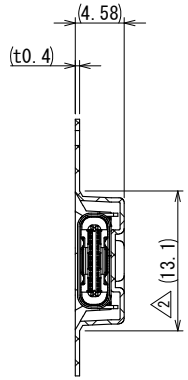




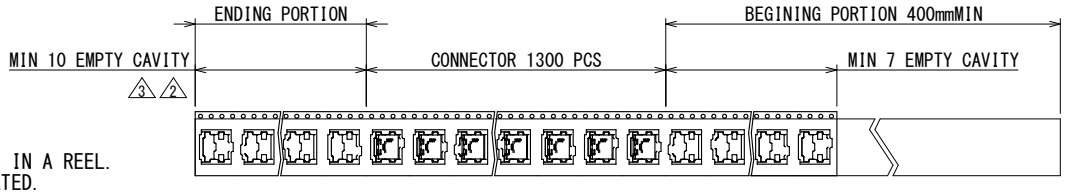
A
(2 : 1)



C-C
(2 : 1)



B-B
(2 : 1)



NOTE1. SUFFIX "R1300" OF PART NUMBER "DX07S024JJ2R1300" INDICATES 1300PCS IN A REEL.
2. THE LABEL IN WHICH DESCRIPTION, QTY, LOT NO, EMBOSS CODE AS INDICATED.
3. REFER TO THE DRAWING "SJ115946(DX07S024JJ2)"FOR THE CONNECTOR DIMENSIONS.
4. REEL FORM MAY DIFFER FROM THE DRAWING.

現品ラベル/ARTICLE LABEL

XXXXXXXXX XXXX XXXX XXXX

品名(DESCRIPTION) DX07S024JJ2R1300

図番(PART No.) SJ115947

数量(Q'ty) 1,300

ITEM NO

Lot No.

E.Code. TB2416

Count:001
JAE001

2015/05/14

MADE IN JAPAN

Japan Aviation Electronics Industry, Ltd.

QCF-C-0628(07.12)/JAPS-9006-2

24:TAPE WIDTH

16:FEED PITCH

符号 NO.	名称 DESCRIPTION	個数 QTY.	材料 MATERIAL	仕上 FINISH	備考 REMARKS
4	REEL	1	PS	—	—
3	COVER TAPE	1	PET	—	—
2	CARRIER TAPE	1	PS	—	—
1	CONNECTOR	1300	—	—	SJ115946(DX07S024JJ2)

仕様書(SPECIFICATION) JACS-30353	第1版(ORIGINAL DATE) 14/MAY/2015	尺度(SCALE) 1:5	シリーズ(SERIES) DX07
一般公差(GENERAL TOLERANCE)	製図 DR.	名称(TITLE) DX07S024JJ2R1300	日本航空電子工業株式会社 JAPAN AVIATION ELECTRONICS INDUSTRY, LTD.
寸法(DIMENSION) ±0.8 / .× ±0.4 / .×× ±0.1 / .××× ±	角度(ANGLES) ×° ± / ×°×' ±	担当 CHK. K.UEDA	SIZE A3
単位(UNIT) : mm	査閲 APPD. —	承認 APPD. Y.SAITOU	図面番号(DRAWING NO.) SJ115947
	質量(MASS)		版数(VER.) 3

JAE-CONNECTOR.COM

DCF-C-212H(12.08)

S/W

JAE Connector DIV. Proprietary.Copyright(C) 2015, Japan Aviation Electronics Industry, LTD.

USB Type-C® Compatible DX07 Series SMT Contact Right Angle Receptacle

CONNECTOR
MB-0297-10
December 2021

RoHS Compliant



On-board Type



Mid-mount Type

The DX07 Series connectors are USB Type-C® compliant, and have become a popular standard interface for personal computers, smartphones, mobile devices, audiovisual equipment, and portable gaming devices.
This product is a 2-row SMT type receptacle connector with a mounting area space-saving design.
Note) USB Type-C®, USB-C® are trademarks of USB Implementers Forum.

Applicable Markets
Smartphones, tablets, PCs, digital still cameras, headphones, and others

Features

- Compliant with Universal Serial Bus Type-C Specification Release 2.1
- Compatible with 10Gbps x2 (20Gbps) Super Speed communication. (USB 3.2)
- Supports 240W (5A/48V) maximum power supply.
  (Compatible with USB Power Delivery Extended Power Range)
- Reversible plug orientation makes possible to insert both ways up.
- Lock structure with superior durability.

Remarks: Large selection of connector variations are available in DX07 Series
Please refer to the chart below for brochures of other variations.

Brochure Number	Brochure Name
MB-0333-*	DX07 Waterproof Receptacle
MB-0335-*	DX07 Hybrid Contact Receptacle
MB-0336-*	DX07 Vertical Receptacle
MB-0350-*	DX07 16-position Receptacle
MB-0362-*	DX07 USB4 Gen3 Compatible Receptacle
MB-0301-*	DX07 Plug Series
MB-0332-*	DX07 Vertical Plug
MB-0324-*	DX07 Harness

Note: The asterisk (*) stands for revision number.

JAE Connector Div. Proprietary. Copyright © 2021, Japan Aviation Electronics Industry, Ltd.

General Specifications

Number of Contacts	24 Position
Contact Resistance	40mΩ max. (initial)
Dielectric Withstanding Voltage	100Vrms / 1minute
Insulation Resistance	100MΩ (initial)
Durability	10,000 times
Operating Temperature Range	-40˚C ~ +85˚C

Rated Current	V_{BUS} (Terminal No. A4, A9, B4, B9) DC 5A (Total)
	GND (Terminal No. A1, A12, B1, B12) DC 6.25A (Total)
	V_{CONN} (Terminal No. B5) DC 1.25A
	Others DC 0.25A / pin
Rated Voltage	48Vrms

Ordering Information

DX07 * * 24 J * * R***

Series
DX07: USB Type C

S: On-board, B: Mid-mount

Modification Code #1

No. of Contacts: 24 pos.

Board Connection Type
J: 2 row SMT horizontal

Plating Specification
J: Contact area: Au flash over Palladium Ni over Ni plating
A: Contact area: Au plating over Ni

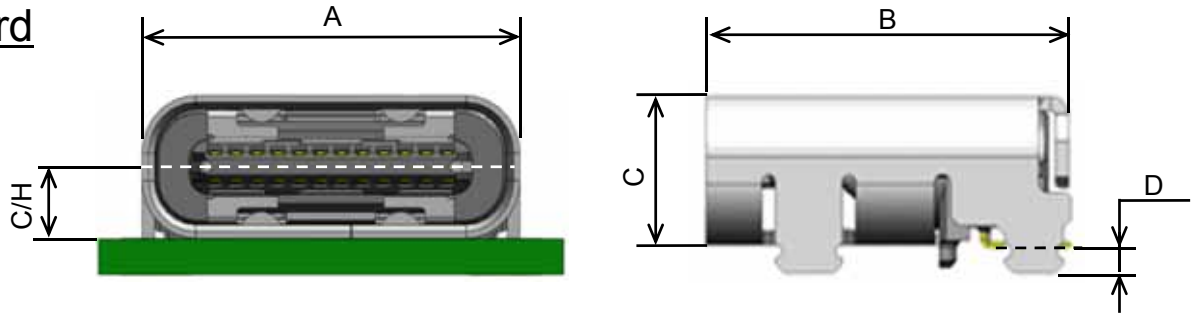
Modification Code #2

Reeled pcs. / reel

JAE Connector Div. Proprietary. Copyright © 2021, Japan Aviation Electronics Industry, Ltd.

Outer Dimensions

On-board



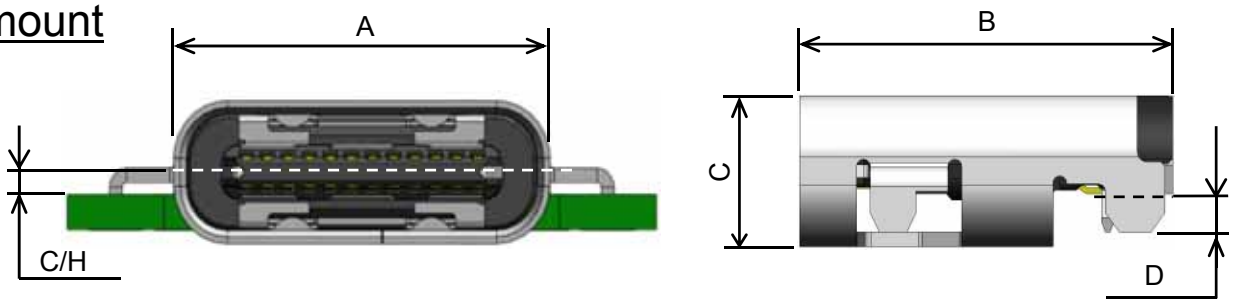
Unit: mm

Part Number		C/H	Dimension A	Dimension B	Dimension C	Dimension D	Mating Length	Rear Shield	Note
DX07S024JA1		1.57	8.94	8.17	3.14	0.6	4.7	Yes	Insert mold
DX07S024JA2						1.2			
DX07S024JJ1						0.6			Shell 2-point contact DIP
DX07S024JJ2									--
DX07S024JJ3								No	--
DX07S024JJ7						1.2		Yes	--
DX07S024JJ4				8.97		0.9	5.5		--
DX07SD24JJ3		2.0		8.57		0.6	5.1		--

JAE Connector Div. Proprietary. Copyright © 2021, Japan Aviation Electronics Industry, Ltd.

Outer Dimensions

Mid-mount



Unit: mm

Part Number		C/H	Dimension A	Dimension B	Dimension C	Dimension D	Rear Shield	Note
DX07B024JJ1		0.47	8.94	8.17	3.14	0.8	Yes	---
DX07B024JJ2							No	---
DX07BN24JA2		-0.64	9.27	11.1	3.6	0.8		---

JAE Connector Div. Proprietary. Copyright © 2021, Japan Aviation Electronics Industry, Ltd.

Technical Documents

Part Number	Drawing Number	Specifications	Handling Instructions	Package Quantity
DX07S024JA1 DX07S024JA1R300 DX07S024JA1R1300	SJ119361 SJ121696 SJ119362	JACS-30353-19	JAHL-30353-5	300 pieces/reel (Note) 1,300 pieces/reel
DX07S024JA2 DX07S024JA2R1200	SJ121711 SJ121712			1,200 pieces/reel
DX07S024JJ1 DX07S024JJ1R1300	SJ115848 SJ115849	JACS-30353	JAHL-30353-1	1,300 pieces/reel
DX07S024JJ2 DX07S024JJ2R1300	SJ115946 SJ115947			
DX07S024JJ3 DX07S024JJ3R1300	SJ115994 SJ115995			
DX07S024JJ4 DX07S024JJ4R1300	SJ117264 SJ117265			
DX07S024JJ7 DX07S024JJ7R1200	SJ119223 SJ119224			1,200 pieces/reel
DX07SD24JJ3 DX07SD24JJ3R1200	SJ117525 SJ117526			
DX07B024JJ1 DX07B024JJ1R1500	SJ115850 SJ115851	JACS-30353	JAHL-30353-1	1,500 pieces/reel
DX07B024JJ2 DX07B024JJ2R1500	SJ115996 SJ115997			
DX07BN24JA2 DX07BN24JA2R1300	SJ119577 SJ119578			1,300 pieces/reel

Note) 300 pieces/reel package quantity are available as samples only.

Notice:

1. The values specified in this brochure are only for reference. The products and their specifications are subject to change without notice. Contact our sales staff for further information before considering or ordering any of our products.
For purchase, a product specification must be agreed upon.

2. Users are requested to provide protection circuits and redundancy circuits to ensure safety of the equipment, and sufficiently review the suitability of JAE's products to the equipment.

3. The products presented in this brochure are designed for the uses recommended below.
We strongly suggest you contact our sales staff when considering use of any of the products in any other way than the recommended applications or for a specific use that requires an extremely high reliability.

(1) Applications that require consultation:
(i) Please contact us if you are considering use involving a quality assurance program that you specify or that is peculiar to the industry, such as:
Automotive electrical components, train control, telecommunications devices (mainline), traffic light control, electric power, combustion control, fire prevention or security systems, disaster prevention equipment, etc.
(ii) We may separately give you our support with a quality assurance program that you specify, when you think of a use such as :
Aviation or space equipment, submarine repeaters, nuclear power control systems, medical equipment for life support, etc.

(2) Recommended applications include:
Computers, office appliances, telecommunications devices (terminals, mobile units), measuring equipment, audiovisual equipment, home electric appliances, factory automation equipment, etc.

Japan Aviation Electronics Industry, Limited

* The specifications in this brochure are subject to change without notice. Please contact JAE for information.

JAE Connector Div. Proprietary. Copyright © 2021, Japan Aviation Electronics Industry, Ltd.

JACS-30353
CDS-14-130-10535, CDS-14-1H5-10509

JAPAN AVIATION ELECTRONICS IND., LTD. CONNECTOR DIVISION 日本航空電子工業株式会社 コネクタ事業部 THIS SPECIFICATION TABLE CANNOT BE REPRODUCED WITHOUT WRITTEN CONSENT OF JAE. この製品規格表は日本航空電子工業株式会社の許可のない限り複写を禁じます。	**CONNECTOR SPECIFICATION** **製品規格**	Connector Specification No. JACS-30353 Connector Series Name 品名 △3 △8 △9 DX07 series connector Applicable Drawing No. 製品図面 △3 TABLE 1 TK C

Rev. 版数	Date 発行日	CN No	Drawn by 担当	Checked by 査閲	Approved by 承認
5	29/Nov/2016	019573	K.SAITO	J.OOSAKA	Y.SAITO
6	24/May/2017	021461	K.SAITO	T. NAITO	Y.SAITO
7	18/Oct/2017	022932	T.KUROSAWA	H.OOTANI	M.KIKUCHI
8	01/Apr/2019	028999	K.OONISHI	K.UEDA	Y.SAITO
9	25/Sep/2019	031457	Y.SHIMOMAKI	Y.YOKOYAMA	Y.SAITO
10	19/Oct/2021	042206	R. ONO / Y. SHIMOMAKII	-	I.IGARASHI

Standard data 定格

Applicable connector 適合コネクタ	Applicable for Universal Serial Bus TYPE-C Receptacle and Plug USB 規格 C タイプ適合レセプタクルおよびプラグ
Rated current 電　流 △5 △10	V_{BUS}:DC5.0A(Note1),GND(Power return):6.25A (Note2)(＊),V_{CONN}:DC1.25A(Note3), Others:DC0.25A 電源: DC5.0A(注 1), 電源グランド:DC6.25A(注 2)(＊), V_{CONN}:DC1.25A(注 3), その他: DC0.25A
Rated voltage 電　圧	48V r.m.s. △10
Operating temperature 使用温度範囲	Temperature:-40℃～+85℃ △9

Note 備考

1. V_{BUS} contact is A4, A9, B4 and B9.
2. GND (Power return) contact is A1, A12, B1 and B12.
3. V_{CONN} contact is B5.

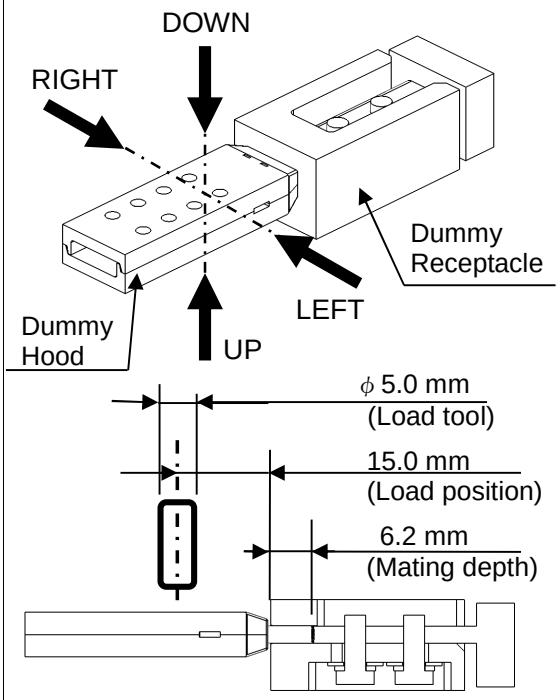
1. MECHANICAL 機械的性能

Item 項目	Procedure 試験方法	Requirement 規定
1-1. Construction 構造寸法表示	—	As specified in the drawing 図面と相違のないこと
1-2. Insertion Force 挿入力	EIA-364-13 Shall be done at maximum rate of 12.5mm(or 0.492")per minute 12.5mm/min の速度で相手コネクタを挿入	5N Min. ～ 20N Max. 5N 以上～ 20N 以下
1-3. Extraction Force 抜去力	EIA 364-13 Shall be done at maximum rate of 12.5mm (or 0.492") per minute. 12.5mm/min の速度で相手コネクタを抜去	8N Min.～20N Max. 8N 以上～20N 以下
1-4. Vibration 耐振性	ANSI/EIA-364-28 condition Ⅶ, test condition letter D (15 minutes in each of 3 mutually perpendicular directions.) 各方向 15 分	Discontinuity: 1μs Max. Appearance: No physical damage Contact Resistance: After test 50mΩ Max. 電流瞬断:1μs 以下 外観:異常のないこと コンタクト接触抵抗: 試験後 50mΩ 以下

REFERENCE ONLY
JAE

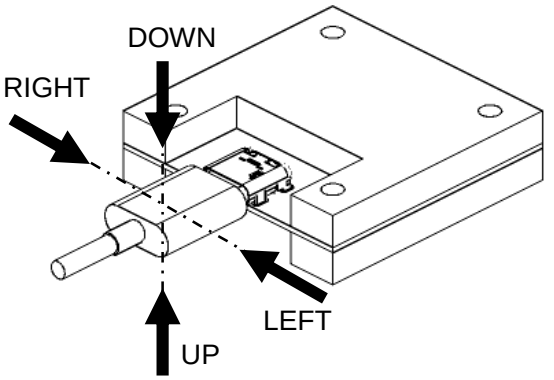
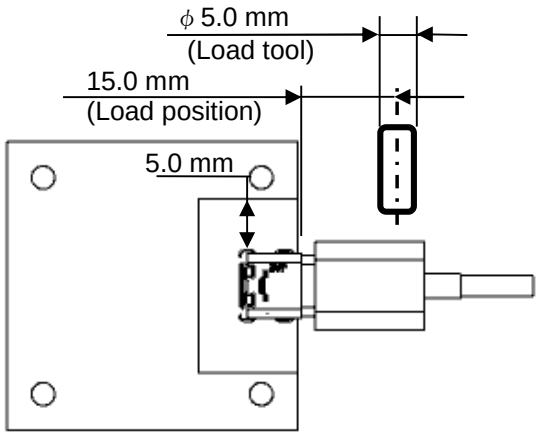
JAE Connector Div. Proprietary.
Copyright ©2015, Japan Aviation Electronics Industry, Ltd.

JACS-30353
CDS-14-130-10535, CDS-14-1H5-10509

1. MECHANICAL 機械的性能		
Item 項目	**Procedure 試験方法**	**Requirement 規定**
△2 1-5 Durability 挿抜寿命	EIA-364-09 Automatic cycling: 10,000 cycles at 500±50 cycles per hour. Total of 10,000 cycles Flip interval : Every 2,500 cycles. 挿抜サイクル: 毎時 500±50 回の速度にて 2500 回毎に嵌合の表裏の向きを入れ替え、 10,000 回挿抜	Appearance: No physical damage Contact Resistance: After test 50mΩ Max. Extraction force: Initial to 1,000 cycles: 8N Min.～20N Max. 1,000 cycle to 10,000 cycles: 6N Min.～20N Max. 外観:異常のないこと コンタクト接触抵抗: 試験後 50mΩ 以下 抜去力: 初期～1,000 回:8N 以上、20N 以下 1,000 回～10,000 回:6N 以上、20N 以下
△2 1-6 Wrenching Strength (Plug Only) コジリ強度 (プラグのみ)	Fix plug connector to dummy hood. Under condition mating to the test fixture “dummy receptacle”. And connector shall be gained to load. プラグコネクタに、金属製のダミーフード治具を取り付け、評価用ダミーレセプタクル治具に嵌合した状態で、荷重を印加する。  【TEST – A】 Load direction : DOWN, UP, LEFT, RIGHT Load force : 50N Load time : 10s per direction 荷重方向:下，上，左，右 印加荷重:50N 印加時間:各方向 10s ずつ 【TEST – B】 Measure the force that the plug disengage from the test fixture or demonstrate mechanical failure. 荷重を加え、プラグがレセプタクル治具から抜ける時の荷重、もしくは、プラグが破損する時の荷重を測定	【TEST-A】 Appearance: No physical damage. Electric continuity: (After test) No Open. 外観:異常のないこと コンタクト: 試験後導通すること 【TEST-B】 The plug shall disengage from the test fixture or demonstrate mechanical failure. (Spec as follows.) Up / Down : 133 N Max. Right / Left : 233 N Max. プラグが破損もしくは、評価用ダミーレセプタクル治具から抜けること。 (規格は下記参照) 上 / 下 : 133 N 以下 右 / 左 : 233 N 以下

JAE Connector Div. Proprietary.
Copyright ©2015, Japan Aviation Electronics Industry, Ltd.

JACS-30353
CDS-14-130-10535, CDS-14-1H5-10509

1. MECHANICAL 機械的性能		
Item 項目	**Procedure 試験方法**	**Requirement 規定**
△2 1-7 4- Axis Continuity Test 4 方向荷重瞬断	Receptacle connector mounted on PCB shall be fixed to jig. Under condition of connector mating. And connector shall be gained to load. Load direction : DOWN, UP, LEFT, RIGHT Load force : 20N Load time : 10s per direction PCB に実装したレセプタクルコネクタを、評価用治具に固定し、ハーネス状態になったプラグを嵌合し、荷重を加える。 荷重方向:下, 上, 左, 右 印加荷重:20N 印加時間:各方向 10s ずつ   	Discontinuity: 1μs Max. Appearance: No physical damage Contact: No short at shell. 電流瞬断:1μs 以下 外観:異常のないこと シェルとの短絡無きこと

JAE Connector Div. Proprietary.
Copyright ©2015, Japan Aviation Electronics Industry, Ltd.

2. ELECTRICAL 電気的性能		
Item 項目	**Procedure 試験方法**	**Requirement 規定**
2-1. Low Level Contact Resistance 低レベル接触抵抗	EIA-364-23B Mated connectors, Measure at 20mV (Max.), open circuit at 100mA. コネクタを嵌合し電圧降下法にて測定 開放電圧 20mV 以下 試験電流 100mA	Contact Initial: 40mΩ Max. △6 After test: 50mΩ Max. コンタクト 初期: 40mΩ 以下 試験後: 50mΩ 以下 Shell Initial: 500mΩ Max. After test: 1,000mΩ Max. シェル 初期: 500mΩ 以下 試験後: 1,000mΩ 以下
2-2. Dielectric Strength 耐電圧	EIA-364-20 Unmated and mated connectors Apply 100V AC (rms.) between adjacent contacts. 未嵌合状態および嵌合状態: 隣接する端子間に AC100V(rms.)を印加	No Breakdown 異常のないこと
2-3. Insulation Resistance 絶縁抵抗	EIA-364-21, Method 302 Unmated and mated connectors Apply 500V DC between adjacent contacts. 未嵌合状態および嵌合状態: 隣接する端子間に DC500V を印加	100MΩ Min. 100MΩ 以上
2-4. Contact Current Rating 電流容量	EIA-364-70 Mated connectors. Measure temperature rise by energizing current. V_{BUS} pin: Total 5A. GND (Power return) pin: Total 6.25A. V_{CONN} pin: 1.25A. Other contacts: 0.25A. コネクタ嵌合状態でコンタクトに電流を通電し温度上昇値を測定 電源 V_{BUS} コンタクト: 合計 5A グランド(電源リターン)コンタクト: 合計 6.25A V_{CONN} コンタクト: 1.25A その他のコンタクト: 0.25A	30℃ Max. 30℃ 以下

JAE Connector Div. Proprietary.
Copyright ©2015, Japan Aviation Electronics Industry, Ltd.

3. ENVIRONMENTAL 環境的性能		
Item 項目	**Procedure 試験方法**	**Requirement 規定**
3-1. Thermal Shock 熱衝撃	EIA-364-32 Test Condition I Mated connectors：0.5h per each. 10 cycles -55℃ ～ +85℃ (0.5h) (5min.) (0.5h) 嵌合状態：各 30 分を 1 サイクルとし、10 サイクル -55℃ ～ +85℃ (0.5h) (5min.) (0.5h)	Contact Resistance: After test 50mΩ Max. Appearance: No physical damage コンタクト接触抵抗： 試験後 50mΩ 以下 外観：異常のないこと
3-2. Temperature life 高温放置	EIA-364-17, method A Temperature and duration：105℃, 120h Temperature and duration for preconditioning ：105℃, 72h 温度および試験時間：105 ℃、120 時間 予備条件での温度および試験時間：105 ℃、72 時間	Contact Resistance: After test 50mΩ Max. Appearance: No physical damage コンタクト接触抵抗： 試験後 50mΩ 以下 外観：異常のないこと
3-3. Cyclic temperature & Humidity 温湿度サイクル	ANSI/EIA-364-31 Cycle the connector or socket between 25℃ ±3℃ at 80% ±3% RH and 65℃ ±3℃ at 50% ±3% RH. Ramp times should be 0.5 hour and dwell times should be 1.0 hour. Dwell times start when the temperature and humidity have stabilized within the specified levels. Perform 24 such cycles. 25℃、80% RH にて 1 時間 ↕ 0.5 時間 ↕ 65℃、50% RH にて 1 時間 試験時間：24 サイクル（72 時間）	Contact Resistance: After test 50mΩ Max. Appearance: No physical damage コンタクト接触抵抗： 試験後 50mΩ 以下 外観：異常のないこと
3-4. Mixed flowing gas 混合ガス	EIA-364-65A Class ⅡA Temp:30℃ RH:70±2% Exporsure:7days Cl_2:10ppb NO_2:200ppb H_2S:10ppb SO_2:100ppb 温度：30℃ 湿度：70±2%RH 期間：7 日間 Cl_2:10ppb NO_2:200ppb H_2S:10ppb SO_2:100ppb	Contact Resistance: After test 50mΩ Max. Appearance: No physical damage コンタクト接触抵抗： 試験後 50mΩ 以下 外観：異常のないこと
3-5. Thermal disturbance 熱擾乱	Cycle the connector between 15±3℃ and 85±3℃ Ramp: Minimum 2℃/minute Dwell: 5minute 10 cycle 15±3℃⇔85±3℃の温度サイクルを実施 温度勾配：2℃/分以上 休止時間：5 分 10 サイクル	Contact Resistance: After test 50mΩ Max. Appearance: No physical damage コンタクト接触抵抗： 試験後 50mΩ 以下 外観：異常のないこと

JAE Connector Div. Proprietary.
Copyright ©2015, Japan Aviation Electronics Industry, Ltd.

△3 △4 △6 △7 △8 △9

TABLE 1

	Connector Series Name 品名	Applicable Drawing No. 製品図面	Maximum Quantity 最大収納数
Mid-mount Receptacle	DX07BN24JA2 (R1300)	SJ119577 (SJ119578)	・1,300pcs./Reel ・3,900pcs./Box (=1,300pcs.×3Reels)
	DX07BN24JA3 (R1400)	SJ120371 (SJ120372)	・1,400pcs./Reel ・4,200pcs./Box (=1,400pcs.×3Reels)
	DX07BL24JJ2 (R1400)	SJ117941 (SJ117942)	
	DX07B024JJ1 (R1500)	SJ115850 (SJ115851)	・1,500pcs./Reel ・4,500pcs./Box (=1,500pcs.×3Reels)
	DX07B024JJ2 (R1500)	SJ115996 (SJ115997)	
	DX07B024JJ4 (R1500)	SJ117724 (SJ117725)	
	DX07BL24JJ3 (R1500)	SJ118350 (SJ118351)	
	DX07B024JJ3 (R1600)	SJ117601 (SJ117602)	・1,600pcs./Reel ・12,800pcs./Box (=1,600pcs.×8Reels)
	DX07B024JJ3L (R1600)	SJ119013 (SJ119014)	
On-board Receptacle	DX07SD24JJ3 (R1100)	SJ117525 (SJ117526)	・1,100pcs./Reel ・6,600pcs./Box (=1,100pcs.×6Reels)
	DX07S024JJ1 (R1300)	SJ115848 (SJ115849)	・1,300pcs./Reel ・3,900pcs./Box (=1,300pcs.×3Reels)
	DX07S024JJ2 (R1300)	SJ115946 (SJ115947)	
	DX07S024JJ3 (R1300)	SJ115994 (SJ115995)	
	DX07SL24JJ2 (R1300)	SJ116566 (SJ116567)	
	DX07S024JJ4 (R1300)	SJ117264 (SJ117265)	
	DX07SL24JJ6 (R1300)	SJ122191 (SJ122192)	
Standard type Plug	DX07P024MJ1 (R1500)	SJ115803 (SJ115804)	・1,500pcs./Reel ・4,500pcs./Box (=1,500pcs.×3Reels)
	DX07P024MJ2 (R1500)	SJ116803 (SJ116804)	
	DX07P024MJ3 (R1500)	SJ118712 (SJ118713)	
	DX07P024MA2 (R1500)	SJ121849 (SJ121850)	
Slim type Plug	DX07P024AJ1 (R1500)	SJ116680 (SJ116681)	
	DX07P024AJW (R1500)	SJ117040 (SJ117041)	
	DX07P024AJ5 (R1500)	SJ118710 (SJ118711)	
	DX07P022AA6 (R2000)	SJ121220 (SJ121221)	・2,000pcs./Reel ・6,000pcs./Box (=2,000pcs.×3Reels)

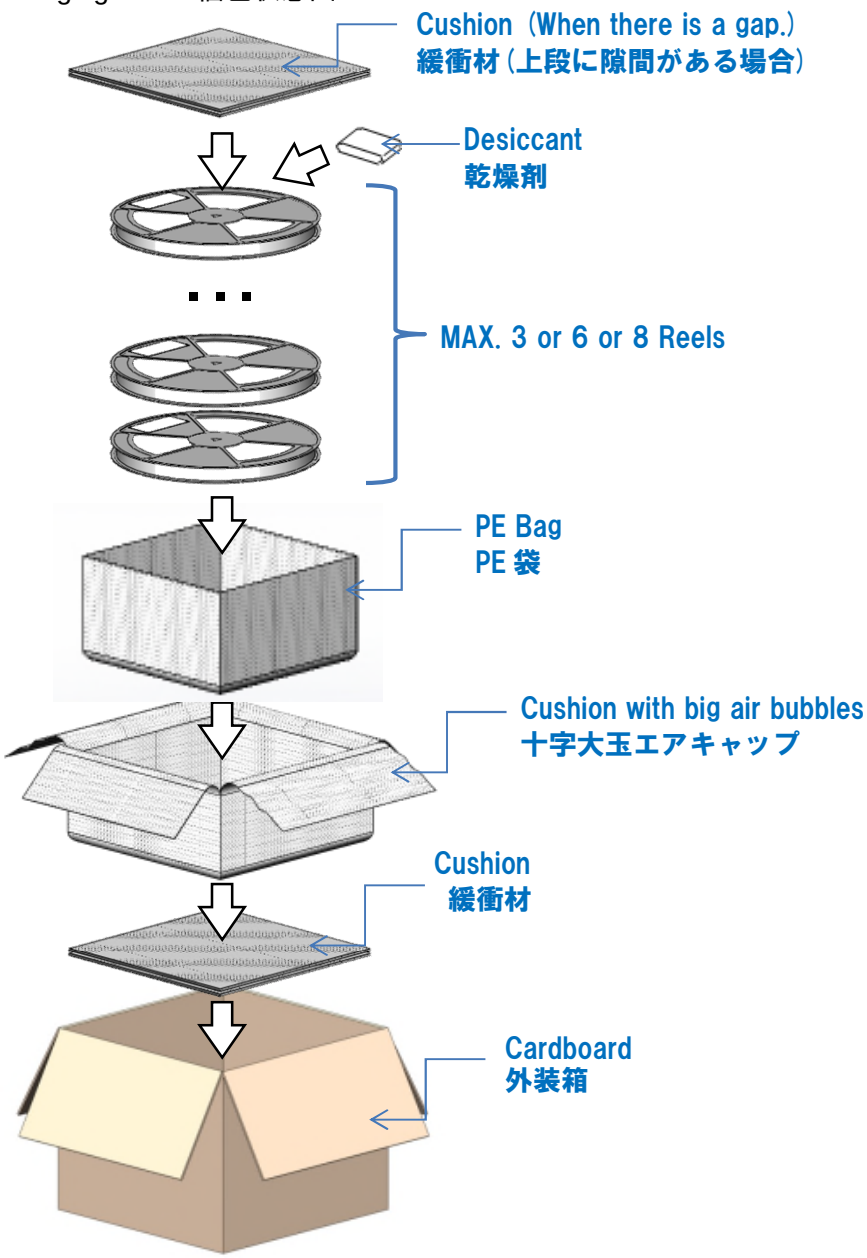
JAE Connector Div. Proprietary.
Copyright ©2015, Japan Aviation Electronics Industry, Ltd.

△9

【Packing(Connector)】
【梱包仕様(コネクタ)】

1. Packaging Material 梱包材料
   ・Taping Product エンボス梱包品
   ・Cardboard 外装箱
   ・Cushion 緩衝材
   ・Adhesive Tape 粘着テープ
   ・Desiccant 乾燥剤
   ・PE Bag PE 袋

2. Packaging Form 梱包状態図



JAE Connector Div. Proprietary.
Copyright ©2015, Japan Aviation Electronics Industry, Ltd.

June 05, 2025

TO: DIVA Laboratories. Ltd.

CERTIFICATE OF COMPLIANCE- RoHS Declaration

JAE product below is RoHS compliant and meet the requirements of the current RoHS Directive 10 substances (2011/65/EU, (EU)2015/863).

No.	Substances
1	Cadmium/Cadmium compounds
2	Hexavalent Chromium Compounds
3	Lead/Lead Compounds
4	Mercury/Mercury Compounds
5	Polybrominated Biphenyls (PBBs)
6	Polybrominated Diphenylethers (PBDEs)
7	DEHP (CAS No. 117-81-7)
8	DBP (CAS No. 84-74-2)
9	BBP (CAS No. 85-68-7)
10	DIBP (CAS No. 84-69-5)

CERTIFICATE OF COMPLIANCE- Reach SVHC Non-Usage

JAE product below does not use any of the Substances of Very High Concern (SVHC) determined by a REACH directive 241 substances (27/06/2024), at a concerntration beyond 0.1% weight by weight in the manufacture of its products.

JAE Product description : DX07S024JJ2R1300



Ryoji Furukawa
Senior Manager, Quality Assurance Department, Connector Division