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SFF-TA-1048

Specification for

Compression Mount High-Speed Cable Interconnect

Rev 0.0.1

June 8, 2026

SECRETARIAT: SFF TWG

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ABSTRACT: This specification defines the mechanical specifications and general performance requirements for a compression mount high-speed cable interconnect system (known as PrezLink Ultra) that is designed for internal serial applications. Formfactors include 2x8, 2x12, and 2x16. The cable side connector is available in vertical and right-angle exit.

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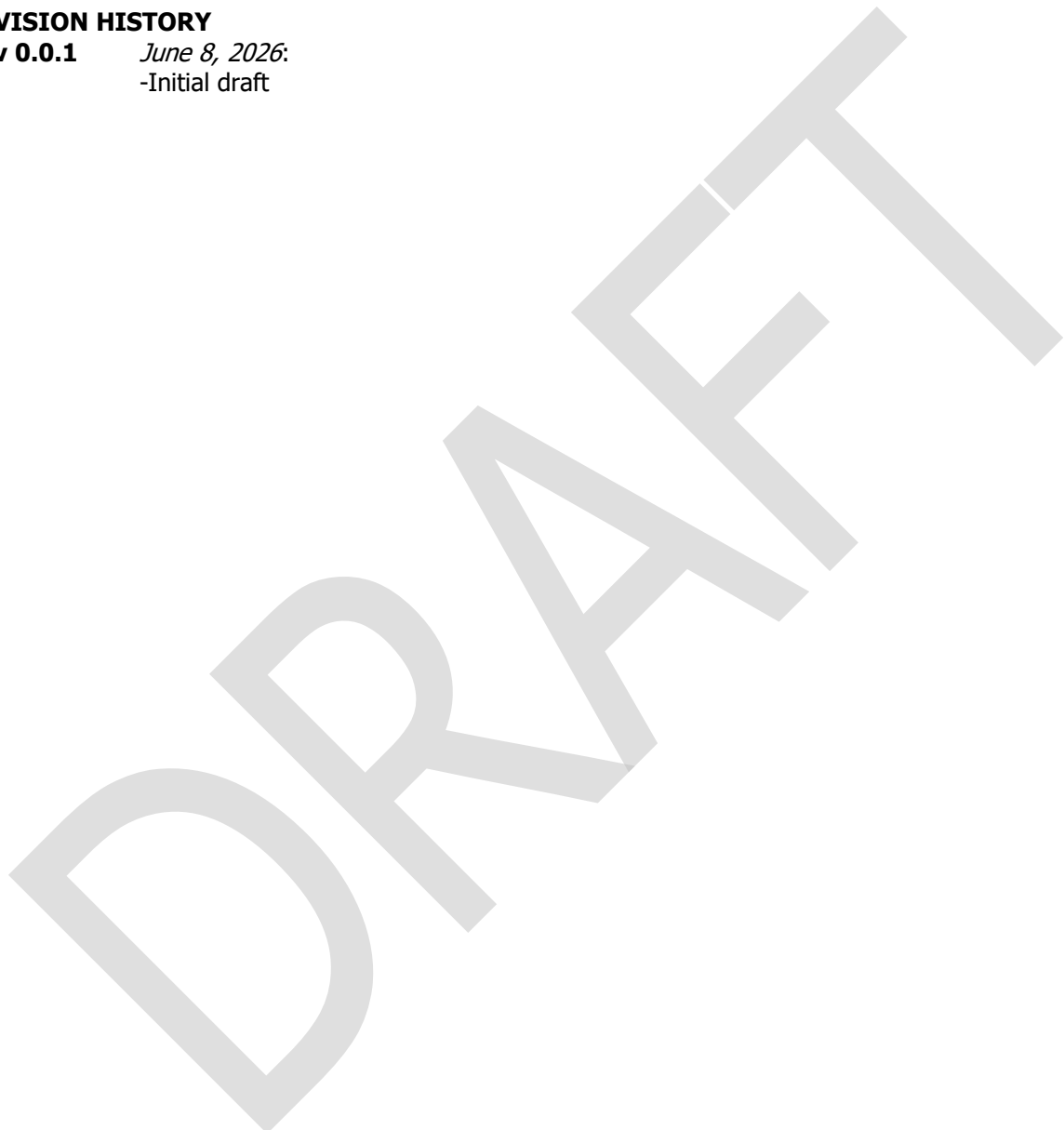
FOREWORD

The development work on this specification was done by the SNIA SFF TWG, an industry group. Since its formation as the SFF Committee in August 1990, as well as since SFF's transition to SNIA in 2016, the membership has included a mix of companies which are leaders across the industry.

For those who wish to participate in the activities of the SFF TWG, the signup for membership can be found at <https://www.snia.org/join>.

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 -Initial draft



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1. Scope

This specification defines the general description of a compression mount high-speed internal cable interconnect system known as PrezLink Ultra. The specifications include formfactor, the fixed-side cages, and the free-side connectors mechanical descriptions. Additional informative information such as PCB layouts are included in an appendix.

2. References and Conventions

2.1 Industry Documents

The following documents are relevant to this specification:

- ASME Y14.5 Dimensioning and Tolerancing
- EIA-364-1000 Environmental Test Methodology for Assessing the Performance of Electrical Connectors and Sockets Used in Controlled Environment Applications
- REF-TA-1011 Cross Reference to Select SFF Connectors

2.2 Sources

The complete list of SFF documents which have been published, are currently being worked on, or that have been expired by the SFF Committee can be found at <https://www.snia.org/sff/specifications>. Suggestions for improvement of this specification are welcome and should be submitted to <https://www.snia.org/feedback>.

Other standards may be obtained from the organizations listed below:

Standard	Organization	Website
ASME	American Society of Mechanical Engineers (ASME)	https://www.asme.org
Electronic Industries Alliance (EIA)	Electronic Components Industry Association (ECIA)	https://www.ecianow.org/eia-technical-standards
IEEE	Institute of Electrical and Electronics Engineers (IEEE)	https://ieeexplore.ieee.org/browse/standards/get-program/page/series?id=68
InfiniBand	InfiniBand Trade Association (IBTA)	https://www.infinibandta.org
JEDEC	Joint Electron Deice Engineering Council (JEDEC)	https://www.jedec.org
OIF	Optical Internetworking Forum (OIF)	https://www.oiforum.com/technical-work/implementation-agreements-ias/
PCIe	PCI-SIG	https://www.pcisig.com/specifications
SAS and other ANSI standards	International Committee for Information Technology Standards (INCITS)	https://www.incits.org

2.3 Conventions

The following conventions are used throughout this document:

DEFINITIONS: Certain words and terms used in this standard have a specific meaning beyond the normal English meaning. These words and terms are defined either in the definitions or in the text where they first appear.

ORDER OF PRECEDENCE: If a conflict arises between text, tables, or figures, the order of precedence to resolve the conflicts is text; then tables; and finally figures. Not all tables or figures are fully described in the text. Tables show data format and values.

LISTS: Lists sequenced by lowercase or uppercase letters show no ordering relationship between the listed items.

EXAMPLE 1 - The following list shows no relationship between the named items:

- a. red (i.e., one of the following colors):
 - A. crimson; or
 - B. pink;
- b. blue; or
- c. green.

Lists sequenced by numbers show an ordering relationship between the listed items.

EXAMPLE 2 -The following list shows an ordered relationship between the named items:

- 1. top;
- 2. middle; and
- 3. bottom.

Lists are associated with an introductory paragraph or phrase and are numbered relative to that paragraph or phrase (i.e., all lists begin with an a. or 1. entry).

DIMENSIONING CONVENTIONS: The dimensioning conventions are described in ASME-Y14.5, Geometric Dimensioning and Tolerancing. All dimensions are in millimeters, which are the controlling dimensional units (if inches are supplied, they are for guidance only).

NUMBERING CONVENTIONS: The ISO convention of numbering is used (i.e., the thousands and higher multiples are separated by a space and a period is used as the decimal point). This is equivalent to the English/American convention of a comma and a period.

American	French	ISO
0.6	0,6	0.6
1,000	1 000	1 000
1,323,462.9	1 323 462,9	1 323 462.9

3. Keywords, Acronyms, and Definitions

For the purposes of this document, the following keywords, acronyms, and definitions apply.

3.1 Keywords

May: Indicates flexibility of choice with no implied preference.

May or may not: Indicates flexibility of choice with no implied preference.

Obsolete: Indicates that an item was defined in prior specifications but has been removed from this specification.

Optional: Describes features which are not required by the SFF specification. However, if any feature defined by the SFF specification is implemented, it shall be implemented as defined by the specification. Describing a feature as optional in the text is an informational callout to assist the reader.

Prohibited: Describes a feature, function, or coded value that is defined in a referenced specification to which this SFF specification makes a reference, where the use of said feature, function, or coded value is not allowed for implementations of this specification.

Reserved: Where the term is used for a signal on a connector contact, the function is set aside for future standardization. It is not available for vendor specific use. Where this term is used for bits, bytes, fields, and code values; the bits, bytes, fields, and code values are set aside for future standardization. The default value shall be zero. The originator is required to define a Reserved field or bit as zero, but the receiver should not check Reserved fields or bits for zero.

Restricted: Refers to features, bits, bytes, words, and fields that are set aside for other standardization purposes. If the context of the specification applies to the restricted designation, then the restricted bit, byte, word, or field shall be treated as a value whose definition is not in scope of this document, and is not interpreted by this specification.

Shall: Indicates a mandatory requirement. Designers are required to implement all such mandatory requirements to ensure interoperability with other products that conform to this specification.

Should: Indicates flexibility of choice with a strongly preferred alternative.

Vendor specific: Indicates something (e.g., a bit, field, code value) that is not defined by this specification. Specification of the referenced item is determined by the manufacturer and may be used differently in various implementations.

3.2 Acronyms and Abbreviations

AOC: Active Optical Cable

EMLB: Early Mate Late Break

IDC: Insulation Displacement Contact

IDT: Insulation Displacement Termination

PCB: Printed Circuit Board

PF: Press Fit

PTH: Plated Through Hole

RA: Right Angle

RAND: Reasonable and Non-Discriminatory

SMT: Surface Mount Technology

3.3 Definitions

Alignment guides: A term used to describe features that pre-align the two halves of a connector interface before electrical contact is established. Other common terms include guide pins, guideposts, blind mating features, mating features, alignment features, and mating guides.

Basic (dimension): The theoretical exact size, profile, orientation, or location of a feature. It is used as the basis from which permissible variations are established by tolerances in notes or in feature control frames (GD&T).

Connector: Each half of an interface that, when joined together, establish electrical contact and mechanical retention between two components. In this specification, the term connector does not apply to any specific gender; it is used to describe the receptacle, the plug or the card edge, or the union of receptacle to plug or card edge. Other common terms include connector interface, mating interface, and separable interface.

Contact mating sequence: A term used to describe the order of electrical contact established/ terminated during mating/un-mating. Other terms include contact sequencing, contact positioning, mate first/break last, EMLB (early mate late break) staggered contacts, and long pin/short pin.

Contacts: A term used to describe connector terminals that make electrical connections across a separable interface.

Datum: A point, line, plane, etc. assumed to be exact for the purposes of computation or reference, as established from actual features, and from which the location or geometric relationship of either feature is established.

Fixed-side connector: A term used to describe a connector that is terminated to a PCB. An example is shown in Figure 3-1.

Free-side connector: A term used to describe connector terminals that make electrical connections across a separable interface (e.g., the cable end). An example is shown in Figure 3-1.

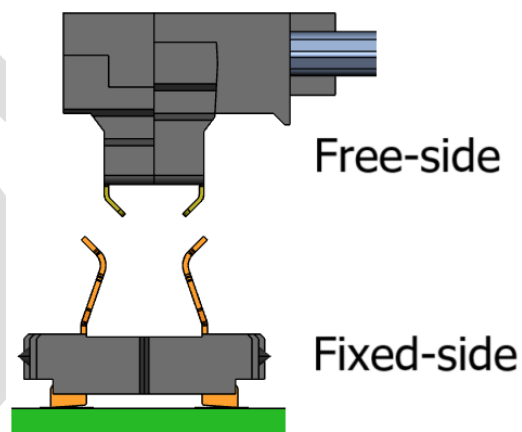


Figure 3-1 Fixed-side and Free-side Connector Definition

Frontshell / Backshell: A term used to describe the metallic part of a module that provides mechanical and shielding continuity between the plug and receptacle. Other common terms include housing, snout, and metal shroud.

Module: In this specification, module may refer to a plug assembly at the end of a copper (electrical) cable (passive or active), an active optical cable assembly, an optical transceiver, or a loopback.

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Plug: A term used to describe the connector that contains the penetrating contacts of the connector interface as shown in Figure 3-2. Plugs typically contain stationary contacts. Other common terms include male connector, pin connector, and card edge.

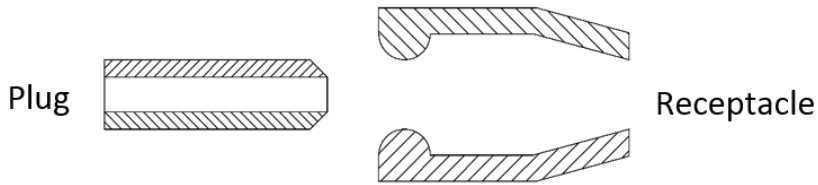


Figure 3-2 Plug and Receptacle Definition

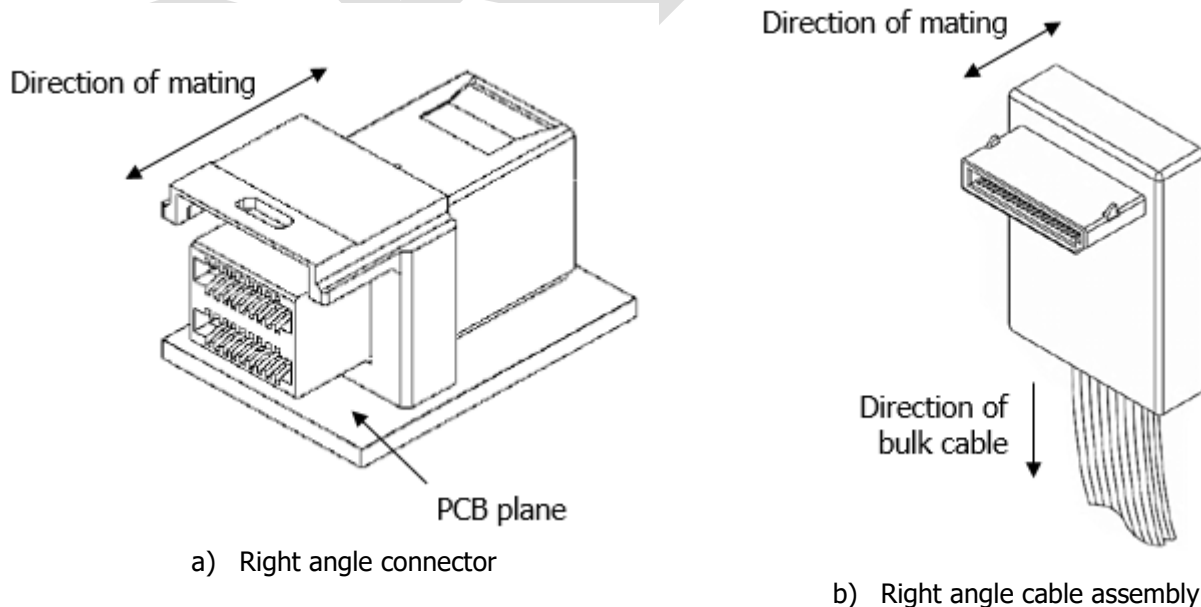
Plated through hole termination: A term used to describe a termination style in which rigid pins extend into or through the PCB. Pins are soldered to keep the connector or cage in place. Other common terms include plated through hole (PTH).

Press fit: A term used to describe a termination style in which collapsible pins penetrate the surface of a PCB. Upon insertion, the pins collapse to fit inside the PCB's plated through holes. The connector or cage is held in place by the interference fit between the collapsed pins and the PCB.

Receptacle: A term used to describe the connector that contains the contacts that accept the plug contacts as shown in Figure 3-2. Receptacles typically contain spring contacts. Other common terms include female connector and socket connector.

Reference (dimension): A dimension provided for information or convenience. It has no tolerance and is not to be used for inspection or conformance. It can be calculated from other tolerance dimensions or can be found elsewhere on the drawing with a tolerance. If removed, it would have no impact on the defined object or the ability to reproduce it.

Right Angle: A term used to describe either a connector design where the mating direction is parallel to the plane of the printed circuit board upon which the connector is mounted or a cable assembly design where the mating direction is perpendicular to the bulk cable.



a) Right angle connector

b) Right angle cable assembly

Figure 3-3 Right Angle Connector and Cable Assembly

Straddle mount: A term used to describe a termination style that uses surface mount termination points on both sides of a PCB.

Straight: A term used to describe a connector design where the mating direction is parallel to the bulk cable.

Surface mount: A term used to describe a termination style in which solder tails sit on pads on the surface of a PCB and are then soldered to keep the connector or cage in place. Other common terms include surface mount technology (SMT).

Termination: A term used to describe a connector's non-separable attachment point such as a connector contact to a bulk cable or a connector solder tail to a PCB. Common PCB terminations include surface mount technology (SMT), plated through hole (PTH), and press fit (PF). Common cable terminations include insulation displacement contact (IDC), insulation displacement termination (IDT), wire slots, solder, welds, crimps, and brazes.

Vertical: A term used to describe a connector design where the mating direction is perpendicular to the printed circuit board upon which the connector is mounted.

Wipe: The distance a contact travels on the surface of its mating contact during the mating cycle as shown in Figure 3-4.

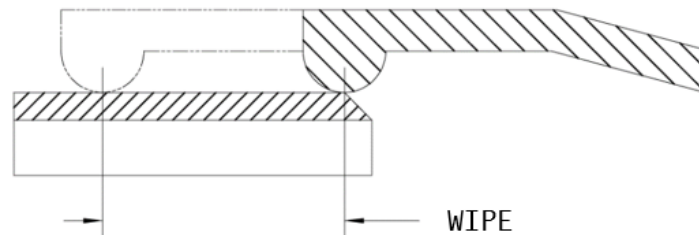
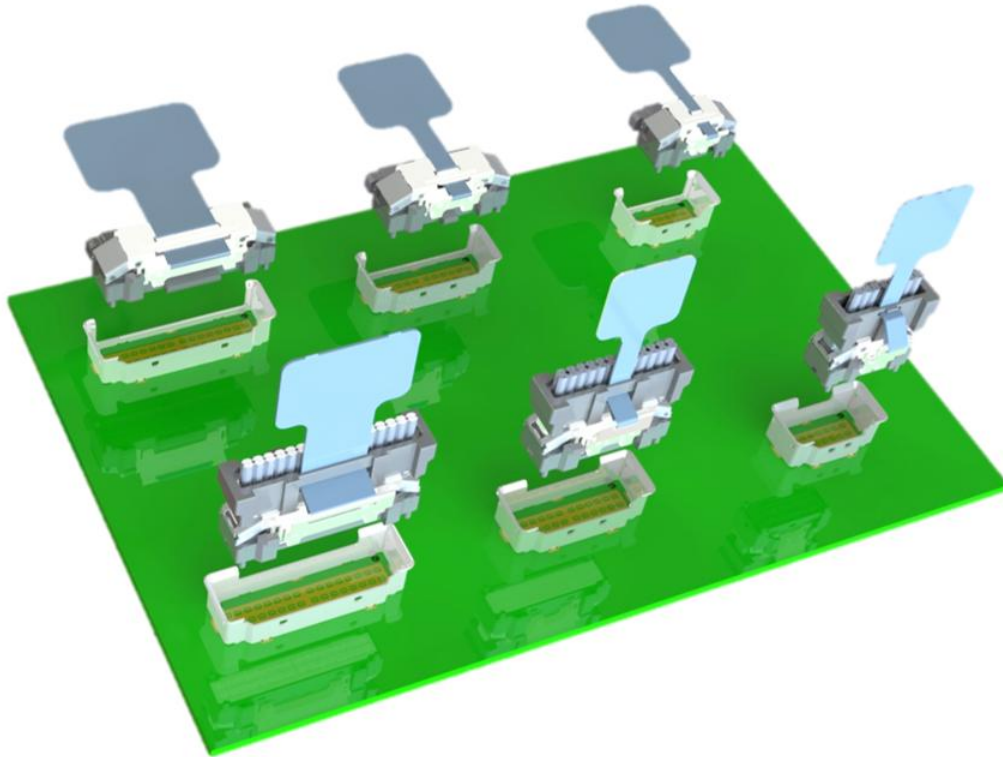


Figure 3-4 Wipe for a Continuous Contact

1 **4. General Description**

2 **4.1 Configuration Overview/Descriptions**

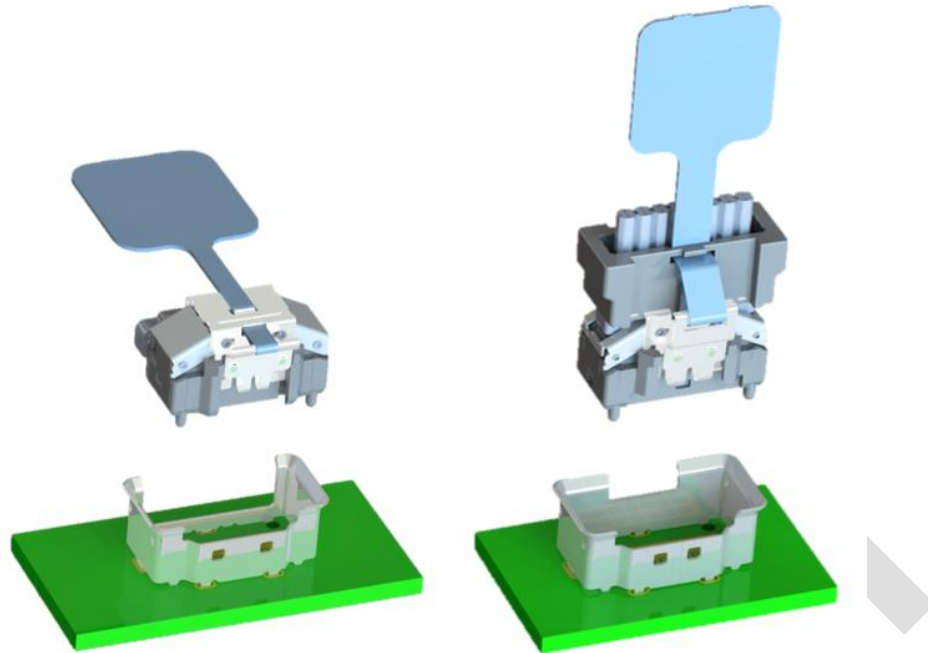
3 The PrezLink Ultra high-speed internal cable interconnect system is composed of two components: a fixed (board
4 mounted) cage and a free (cable mounted) connector. This specification includes several sizes of right angle and
5 vertical connectors.
6



7 **Figure 4-1 Family of Right Angle and Vertical Free-Side Connectors and Fixed-Side Cages**

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10 **4.1.1 Connector Configuration 1 – 32 (2x8) Contact Connectors**

11 This configuration is typically used for x4 high-speed lane applications with sidebands. Alternatively, this
12 configuration can be used for x8 high-speed lane applications without sidebands.
13

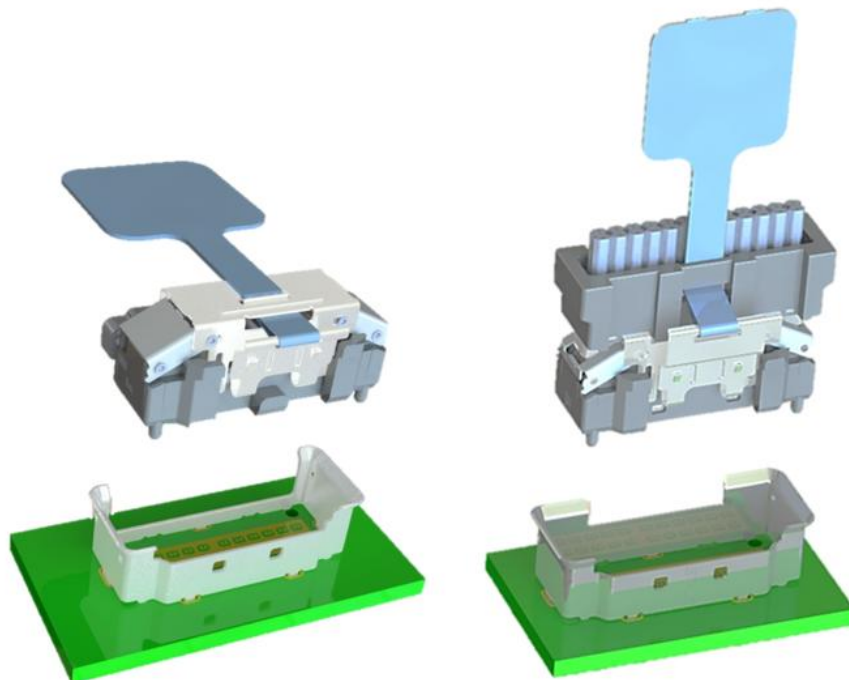


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Figure 4-2 Sample 32 Contact Free-Side Connectors and Fixed-Side Cages

4.1.2 Connector Configuration 2 – 48 (2x12) Contact Connectors

This configuration is typically used for x8 high-speed lane applications with sidebands. Alternatively, this configuration can be used for x12 high-speed lane applications without sidebands.

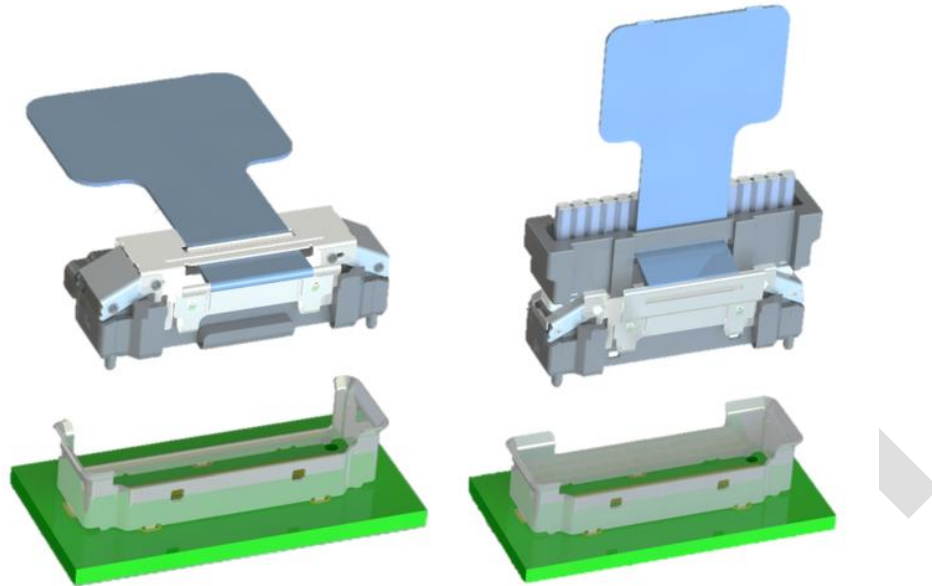


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Figure 4-3 Sample 48 Contact Free-Side Connectors and Fixed-Side Cages

1 **4.1.3 Connector Configuration 3 – 64 (2x16) Contact Connectors**

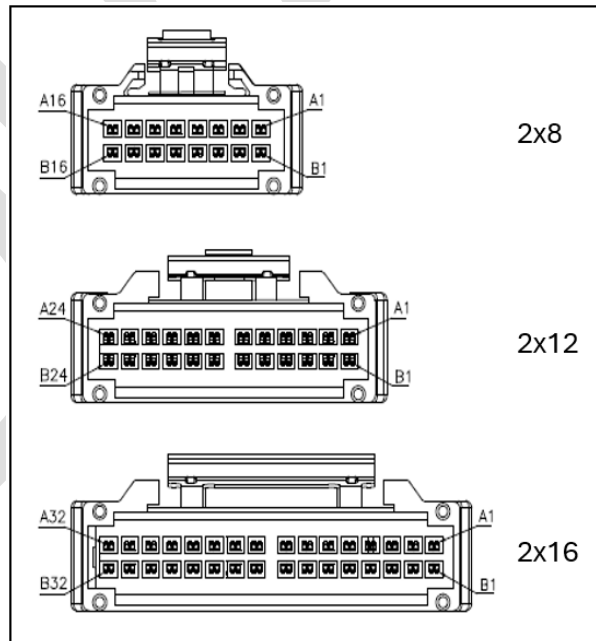
2 This configuration is typically used for x16 high-speed lane applications without sidebands.
3



4 **Figure 4-4 Sample 64 Contact Free-Side Connectors and Fixed-Side Cages**

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7 **4.2 Contact Numbering**

8 The pins or electrical contacts in this connector are numbered as shown in Figure 4-5 and Figure 4-6.
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12 **Figure 4-5 Free-Side Contact Numbering**

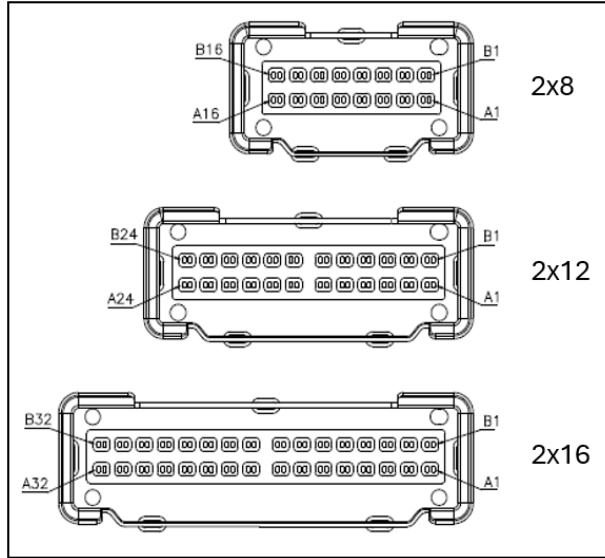


Figure 4-6 Fixed-Side Contact Numbering

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5. Fixed-Side Cage Mechanical Specification

5.1 Overview

The fixed-side cage mechanical details are specified in this section. Figure 5-1 and Figure 5-2 below show the 3D drawings of the right angle and vertical cages, respectively, with and without the caps.

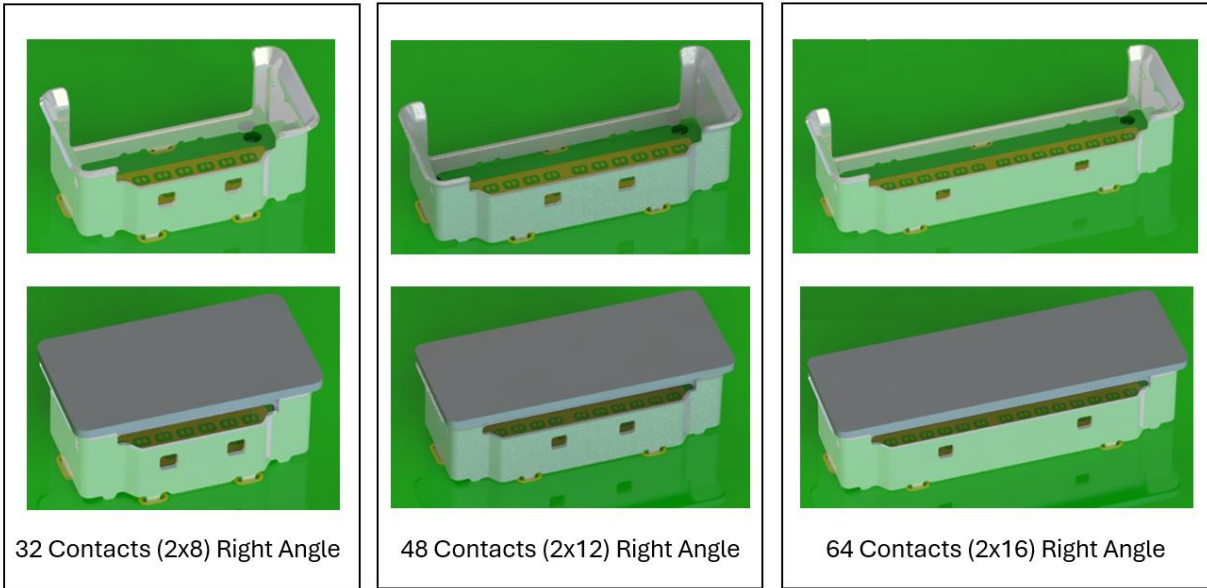


Figure 5-1 Right Angle Fixed-Side Cage 3D Drawings

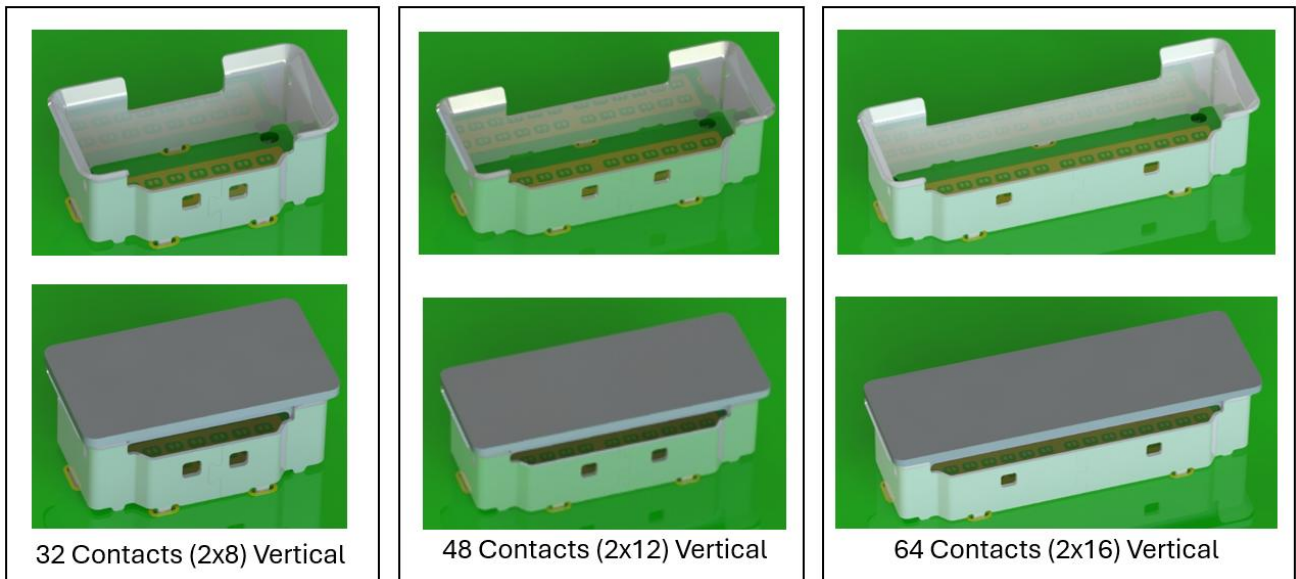


Figure 5-2 Vertical Fixed-Side Cage 3D Drawings

5.1.1 Datums

The datums defined in Figure 5-3 and Table 5-1 are used throughout the rest of the document to describe the dimensional requirements of the fixed-side right angle cages.

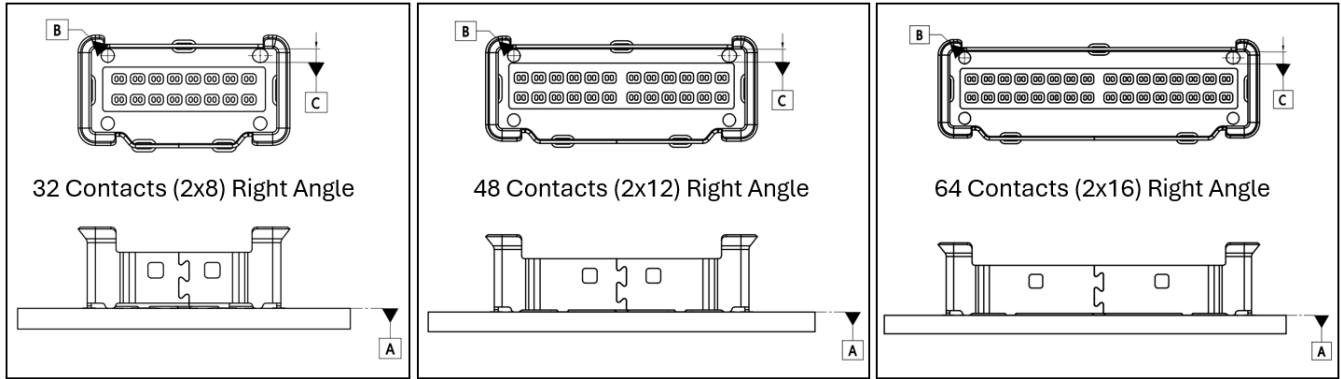


Figure 5-3 Fixed-Side Right Angle Cage Datum Definitions

Table 5-1 Fixed-Side Right Angle Cage Datum Descriptions

Datum	Description
A	Fixed-Side PCB hard stop
B	Fixed-Side center of the circular hole
C	Fixed-Side bottom of the elliptical hole along its short axis (Y-direction)

The datums defined in Figure 5-4 and Table 5-2 are used throughout the rest of the document to describe the dimensional requirements of the fixed-side vertical cages.

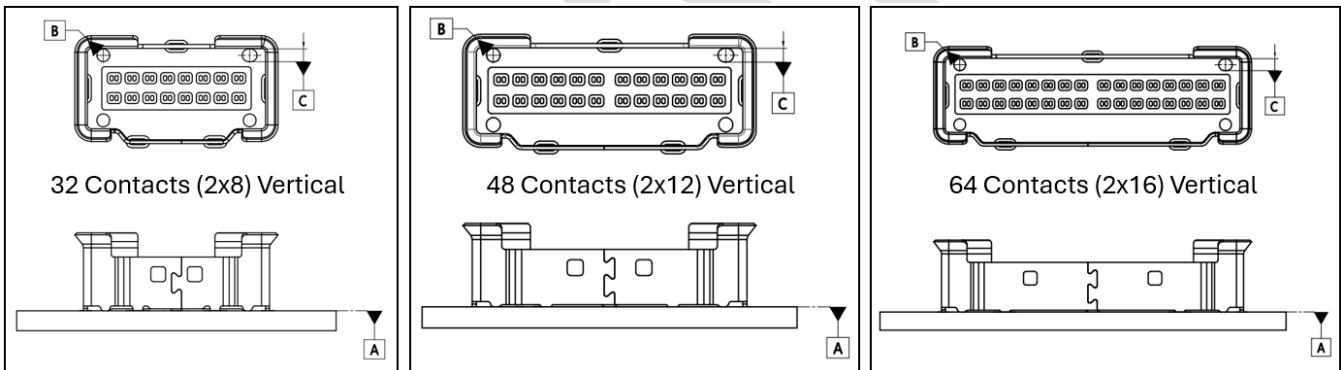


Figure 5-4 Fixed-Side Vertical Cage Datum Definitions

Table 5-2 Fixed-Side Vertical Cage Datum Descriptions

Datum	Description
A	Fixed-Side PCB hard stop
B	Fixed-Side center of the circular hole
C	Fixed-Side bottom of the elliptical hole along its short axis (Y-direction)

1 **5.2 Mechanical Description: Right Angle Cage**

2 **5.2.1 Right Angle Cage with 32 (2x8) Contacts**

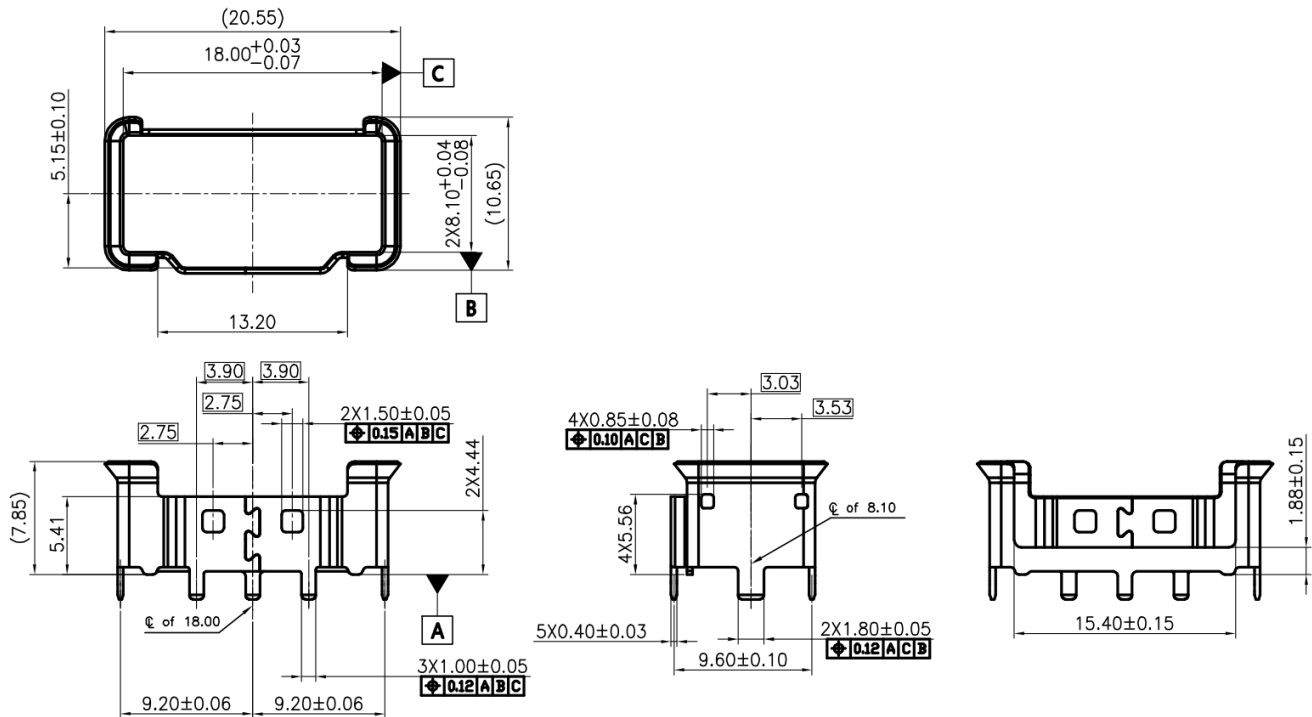
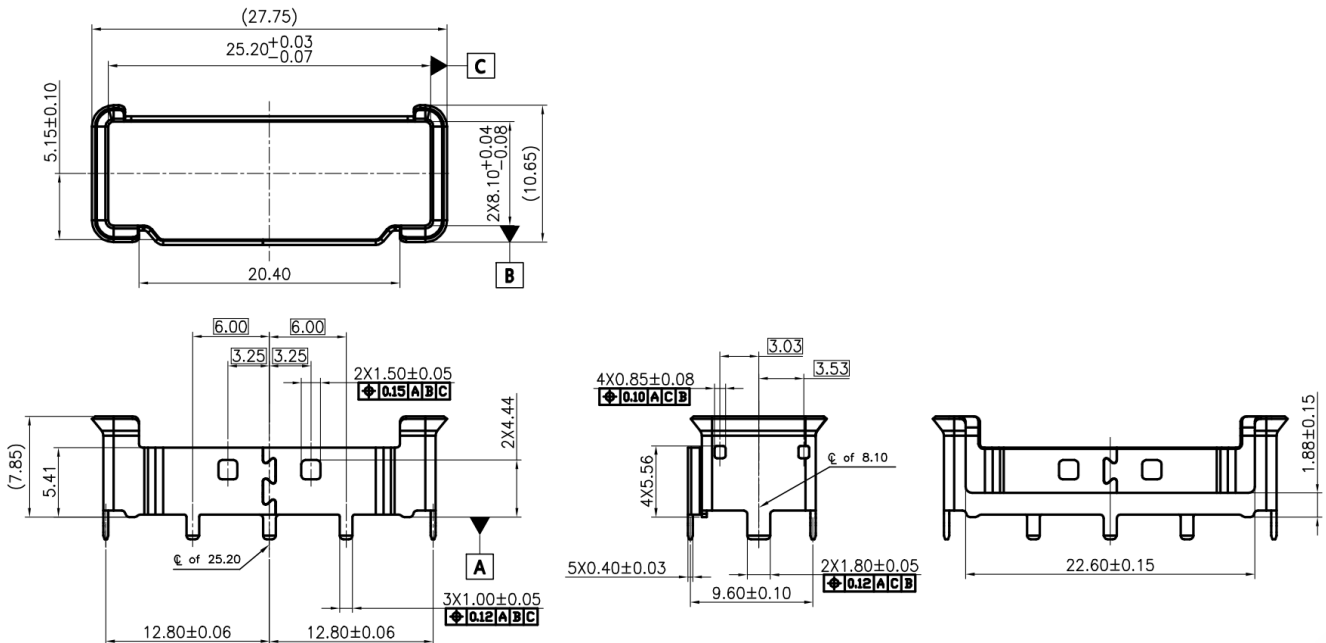


Figure 5-5 Fixed-Side Right Angle 32 (2x8) Contacts

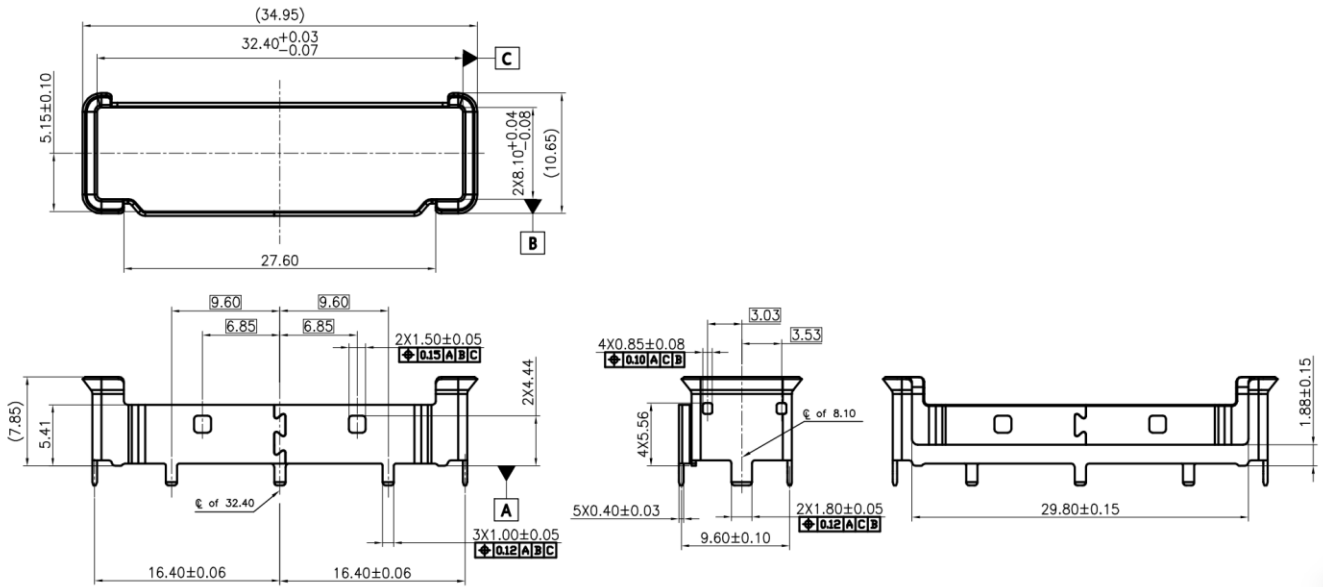
6 **5.2.2 Right Angle Cage with 48 (2x12) Contacts**



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Figure 5-6 Fixed-Side Right Angle 48 (2x12) Contacts

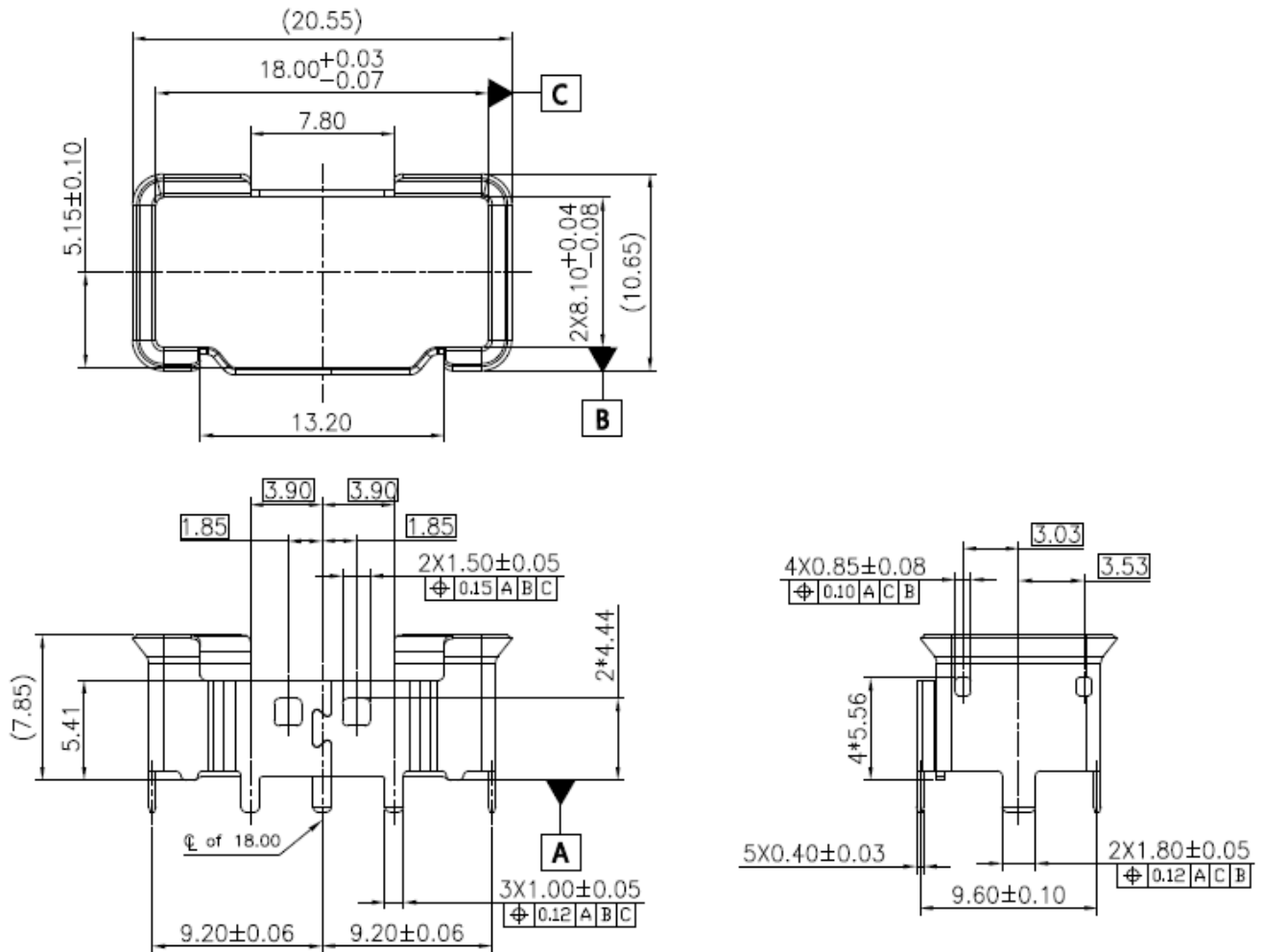
3 **5.2.3 Right Angle Cage with 64 (2x16) Contacts**



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Figure 5-7 Fixed-Side Right Angle 64 (2x16) Contacts

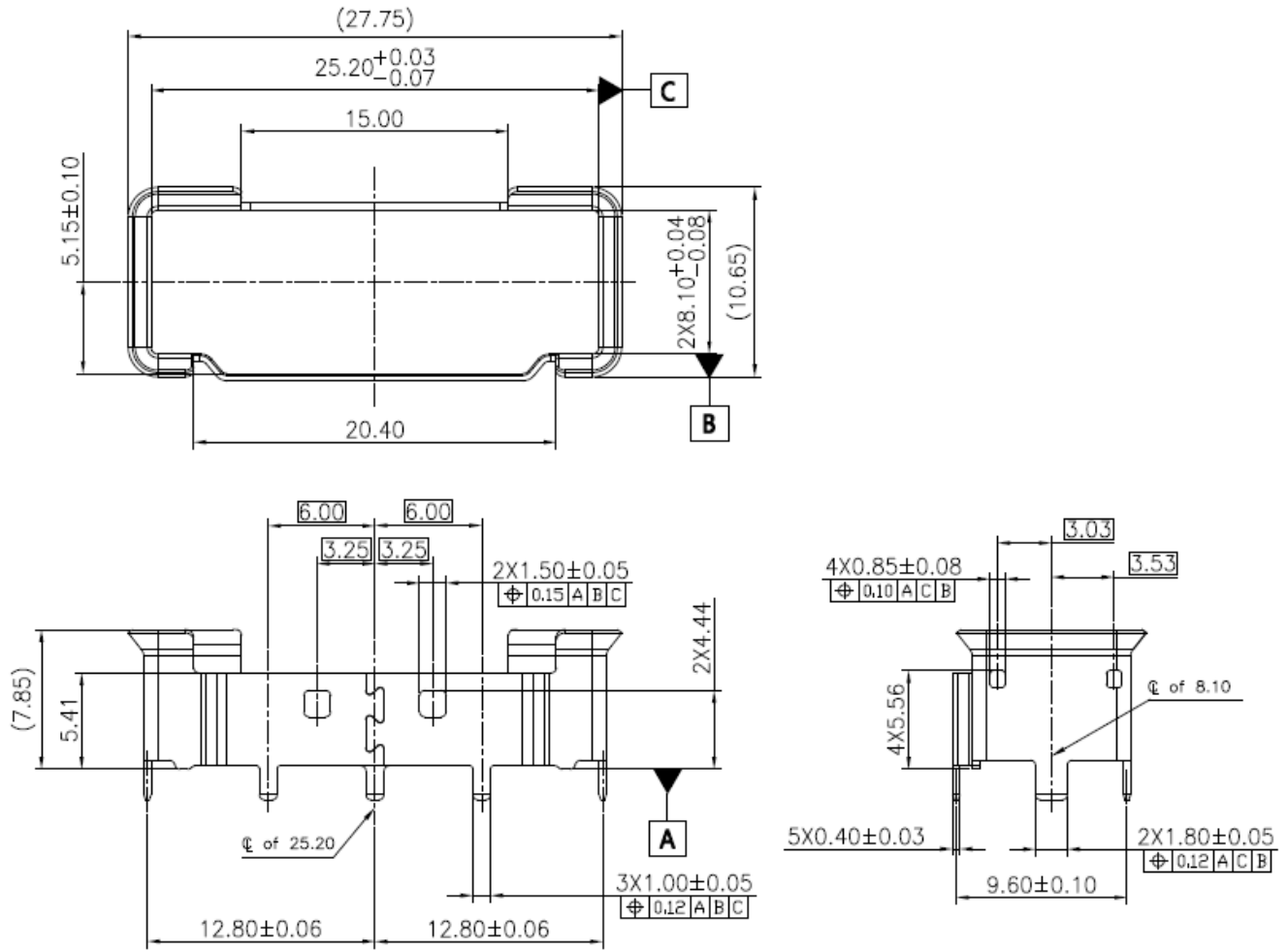
1 **5.3 Mechanical Description: Vertical Cage**
2 **5.3.1 Vertical cage with 32 (2x8) Contacts**



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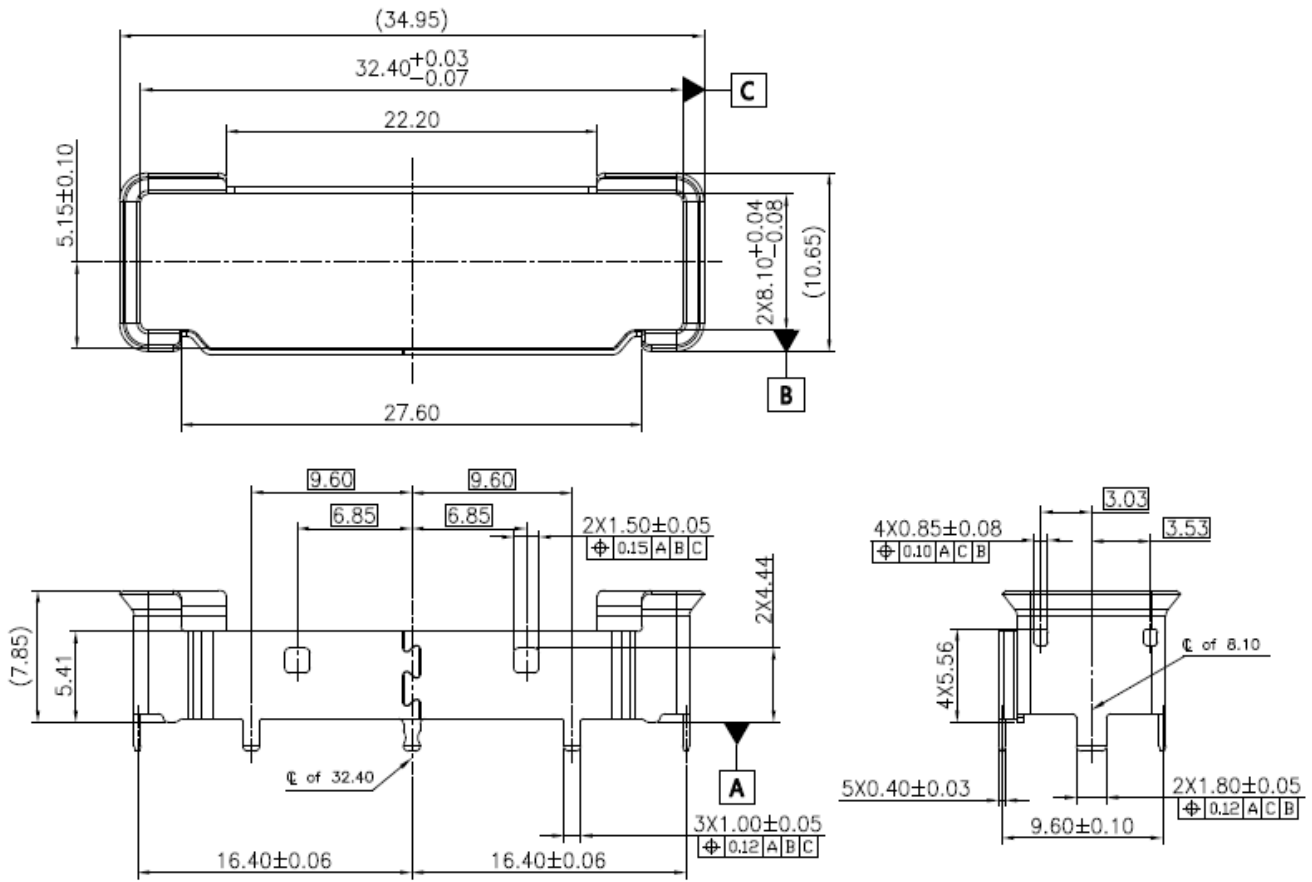
Figure 5-8 Fixed-Side Vertical 32 (2x8) Contacts

1 **5.3.2 Vertical Cage with 48 (2x12) Contacts**



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Figure 5-9 Fixed-Side Vertical 48 (2x12) Contacts

1 **5.3.3 Vertical Cage with 64 (2x16) Contacts**



2 **Figure 5-10 Fixed-Side Vertical 64 (2x16) Contacts**

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6. Free-Side Connector Mechanical Specification

6.1 Overview

The free-side connector mechanical details are specified in this section. Figure 6-1 and Figure 6-2 below show the 3D drawings of the right angle and vertical connectors, respectively.

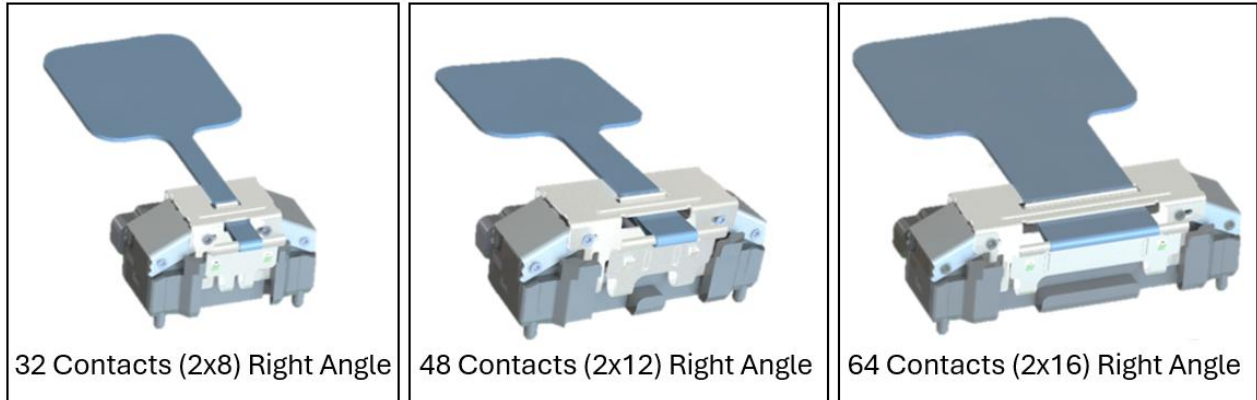


Figure 6-1 Right Angle Free-Side Connector 3D Drawings

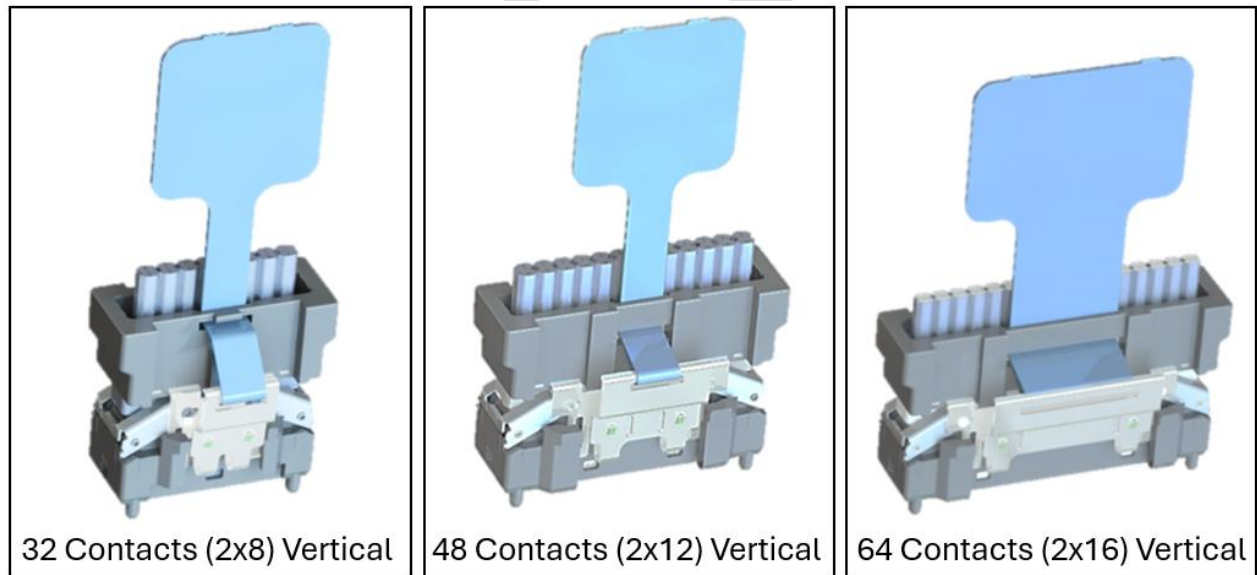


Figure 6-2 Vertical Free-Side Connector 3D Drawings

6.1.1 Datums

The datums defined in Figure 6-3 and Table 6-1 are used throughout the rest of the document to describe the dimensional requirements of the free-side right angle connectors.

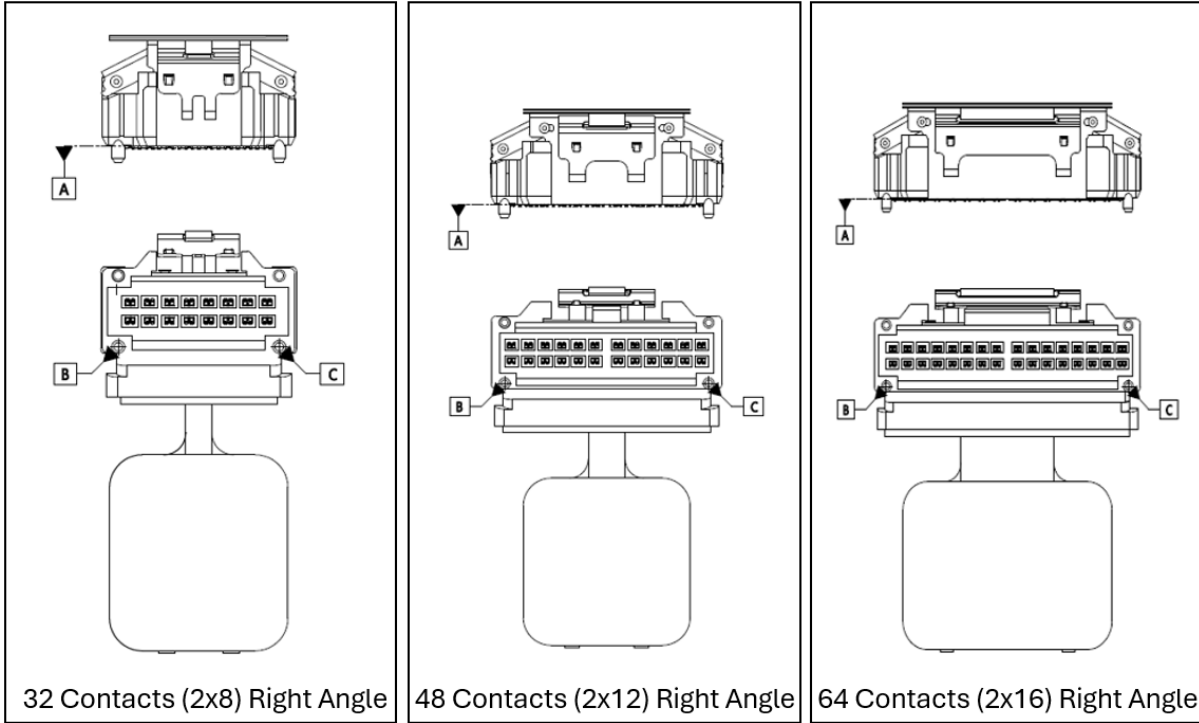


Figure 6-3 Free-Side Right Angle Connector Datum Definitions

Table 6-1 Free-Side Right Angle Connector Datum Descriptions

Datum	Description
A	Free-Side Housing (Bottom)
B	Free-Side center of the plastic column
C	Free-Side center of the plastic column

The datums defined in Figure 6-4 and Table 6-2 are used throughout the rest of the document to describe the dimensional requirements of the free-side vertical connectors.

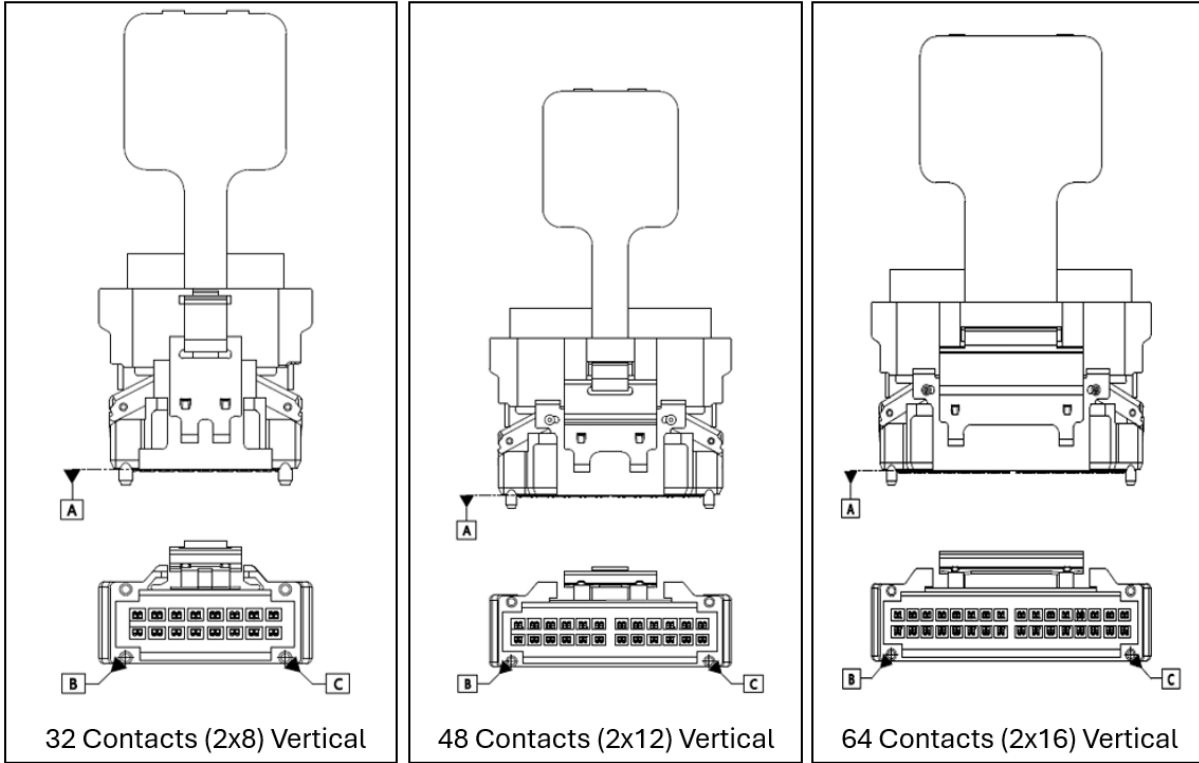


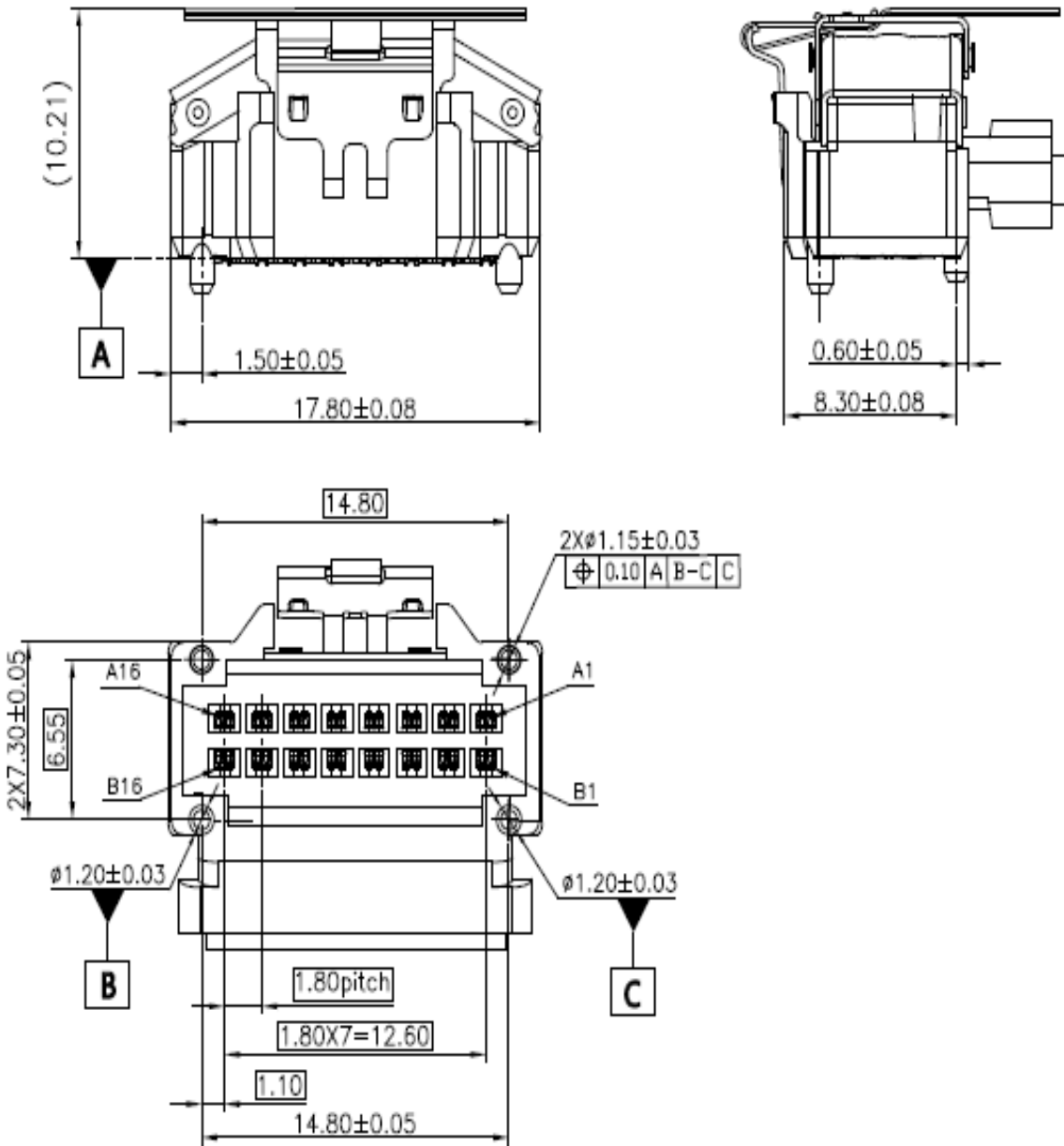
Figure 6-4 Free-Side Vertical Connector Datum Definitions

Table 6-2 Free-Side Vertical Connector Datum Descriptions

Datum	Description
A	Free-Side Housing (Bottom)
B	Free-Side center of the plastic column
C	Free-Side center of the plastic column

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1 **6.2 Mechanical Description: Right Angle Connector**
2 **6.2.1 Right Angle Connector with 32 (2x8) Contacts**



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Figure 6-5 Free Side Right Angle 32 (2x8) Contacts, Unlatched

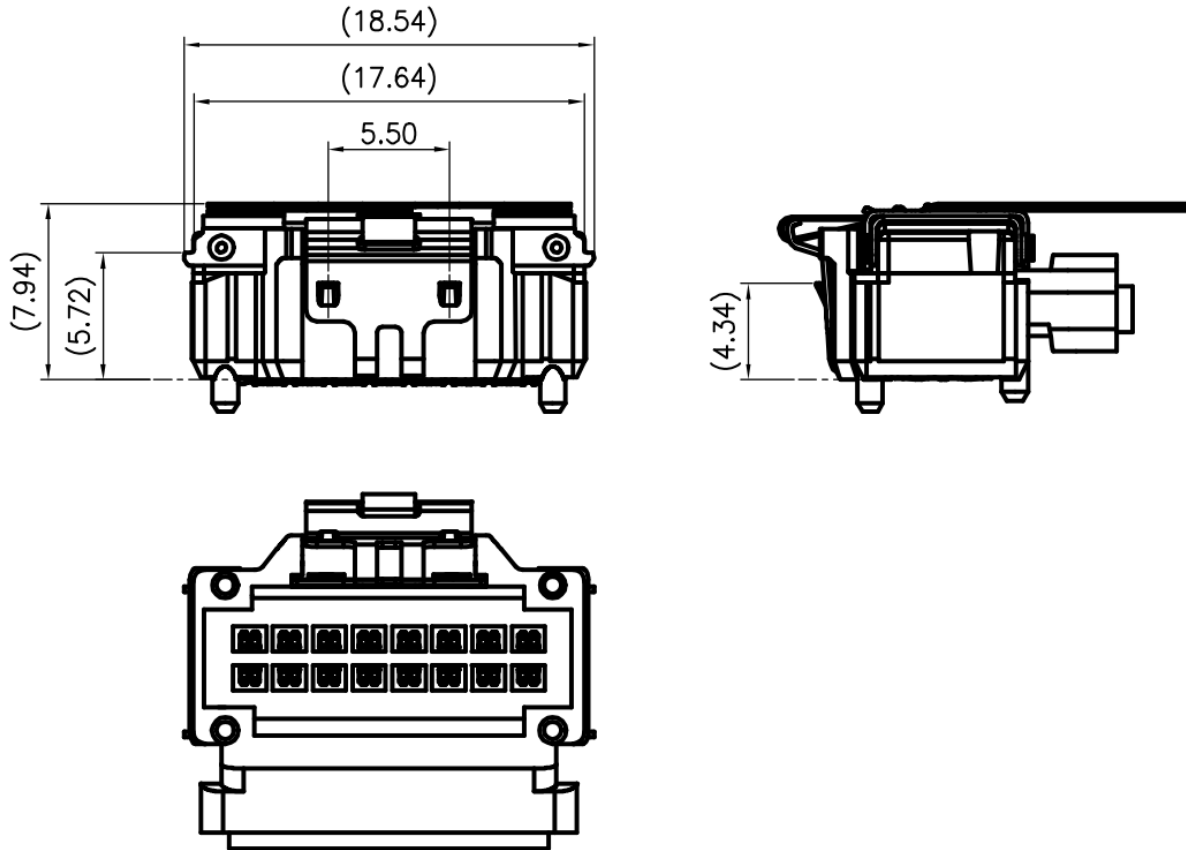
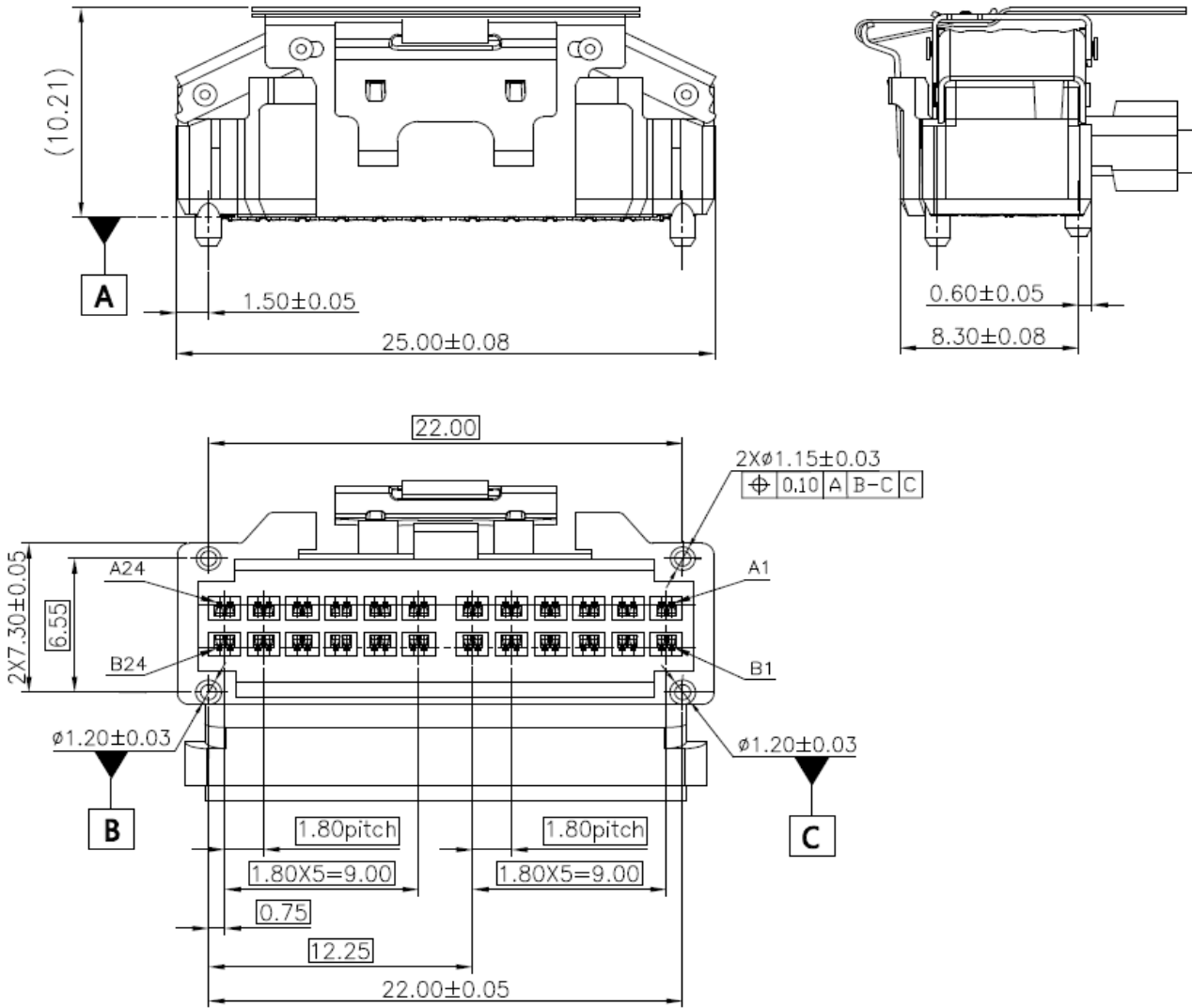


Figure 6-6 Free Side Right Angle 32 (2x8) Contacts, Latched

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1 **6.2.2 Right Angle Connector with 48 (2x12) Contacts**



2 **Figure 6-7 Free Side Right Angle 48 (2x12) Contacts, Unlatched**

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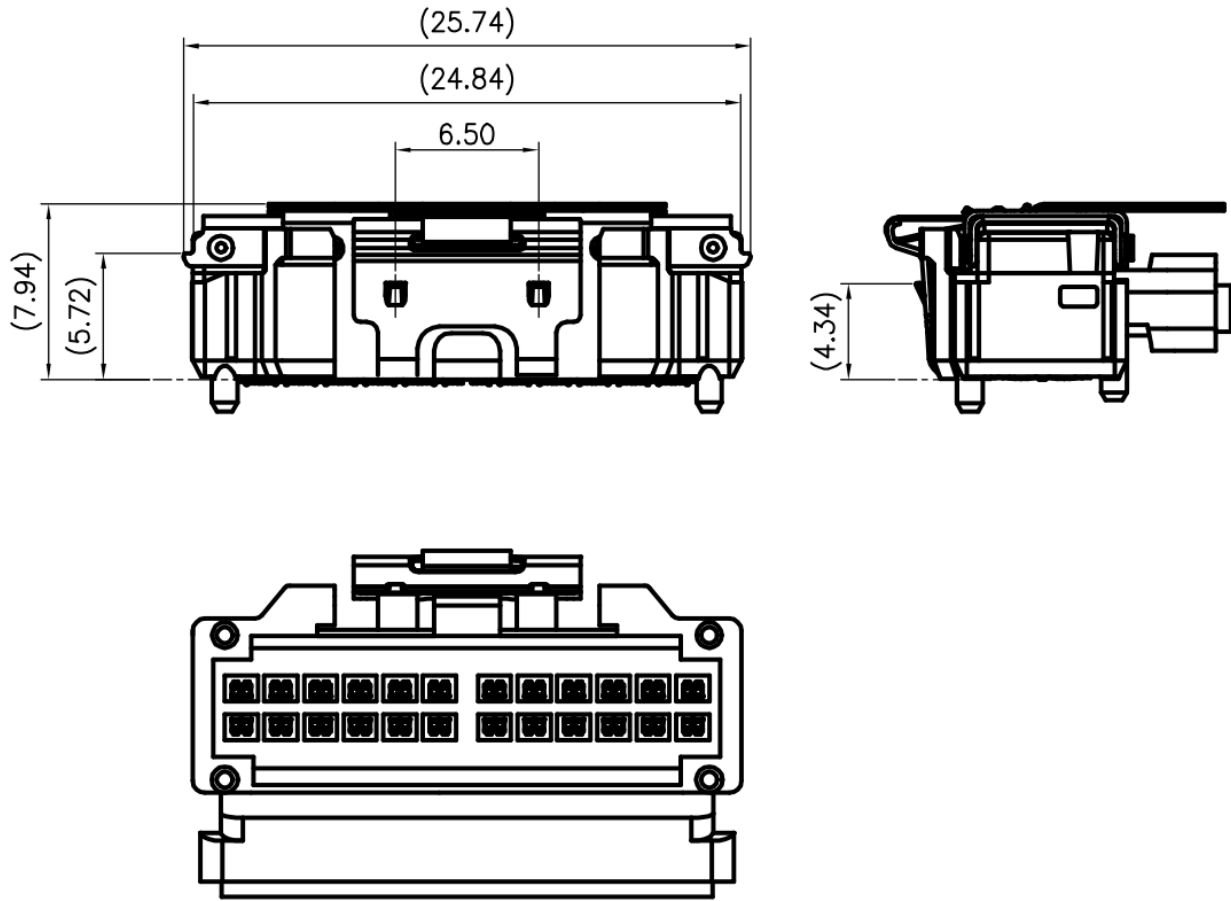


Figure 6-8 Free Side Right Angle 48 (2x12) Contacts, Latched

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1 **6.2.3 Right Angle Connector with 64 (2x16) Contacts**

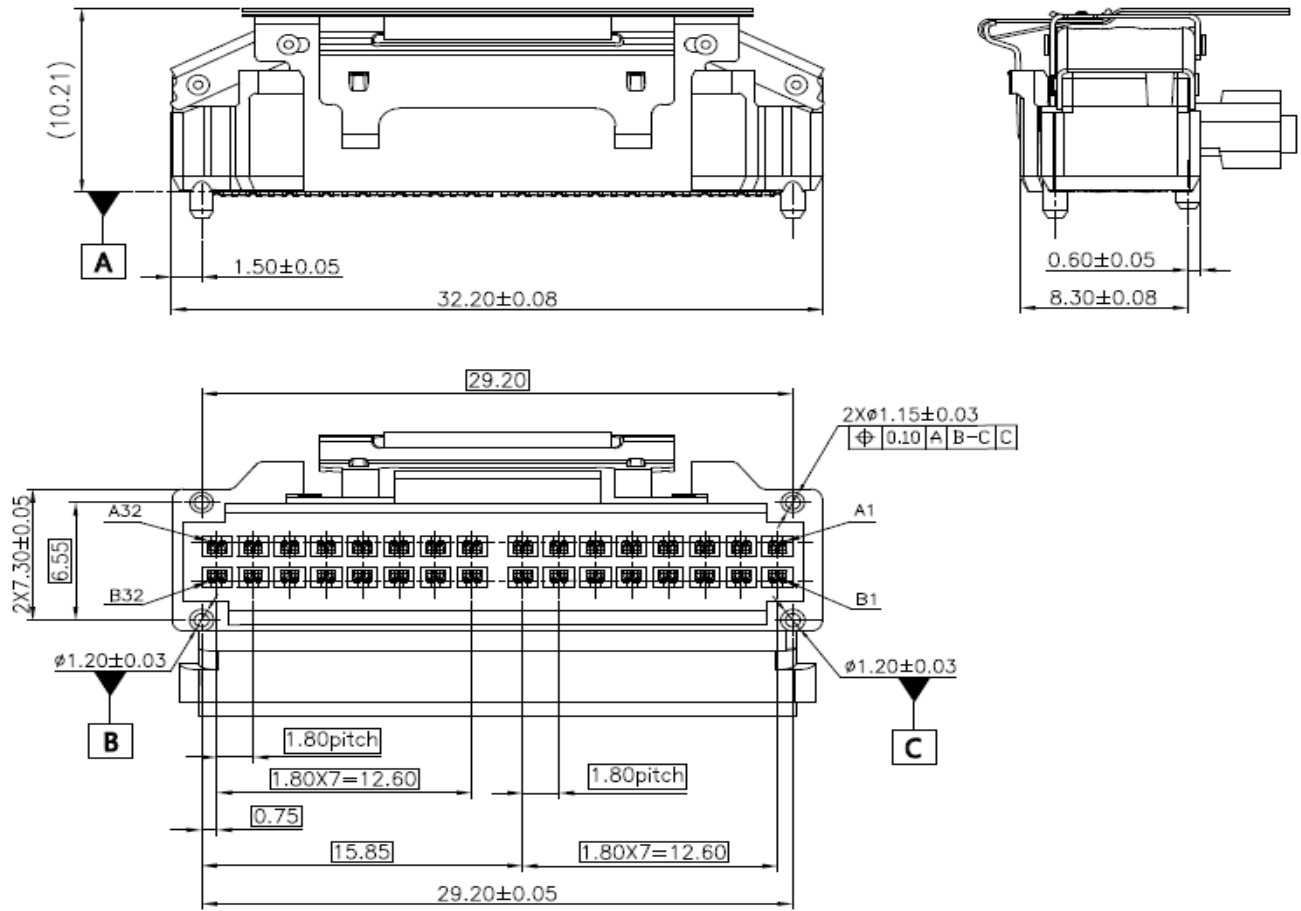


Figure 6-9 Free Side Right Angle 64 (2x16) Contacts, Unlatched

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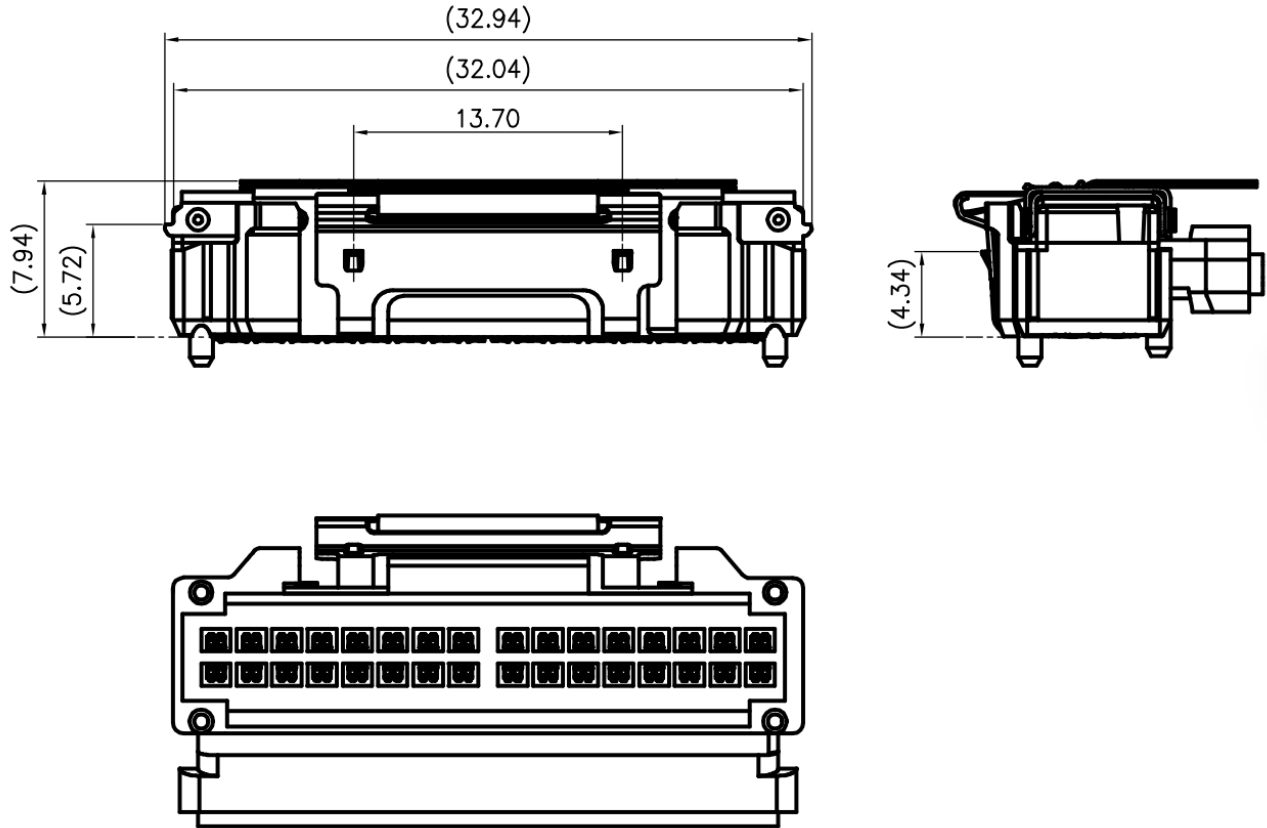
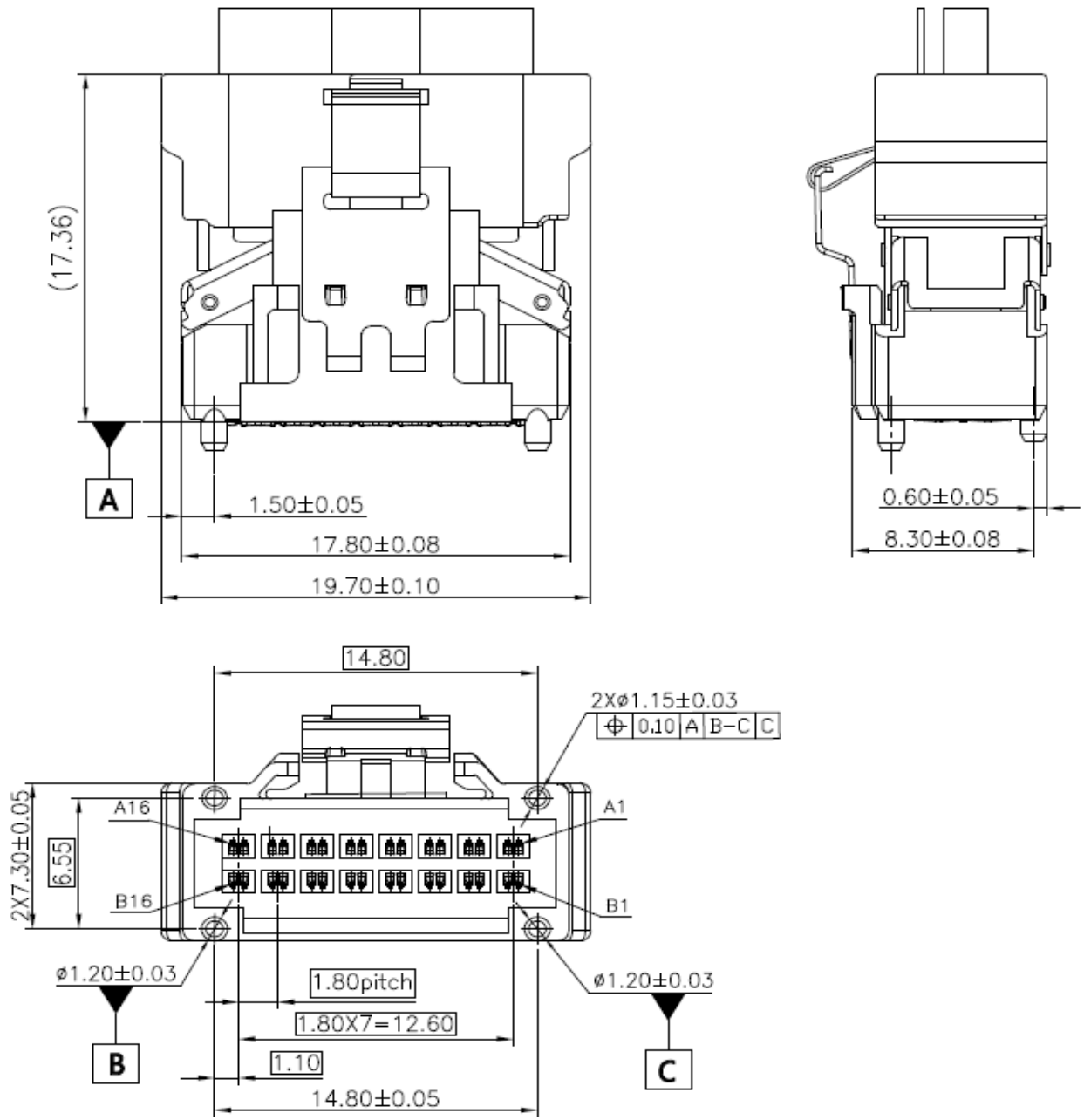


Figure 6-10 Free Side Right Angle 64 (2x16) Contacts, Latched

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1 **6.3 Mechanical Description: Vertical Connector**
2 **6.3.1 Vertical Connector with 32 (2x8) Contacts**



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Figure 6-11 Free Side Vertical 32 (2x8) Contacts, Unlatched

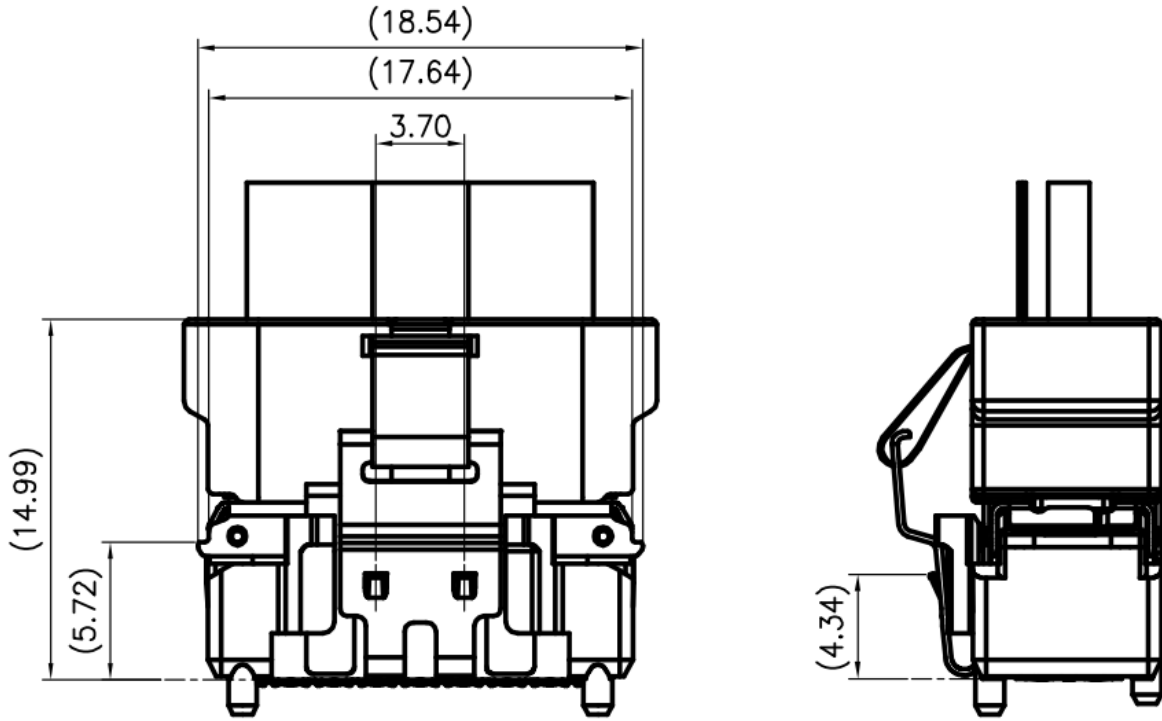
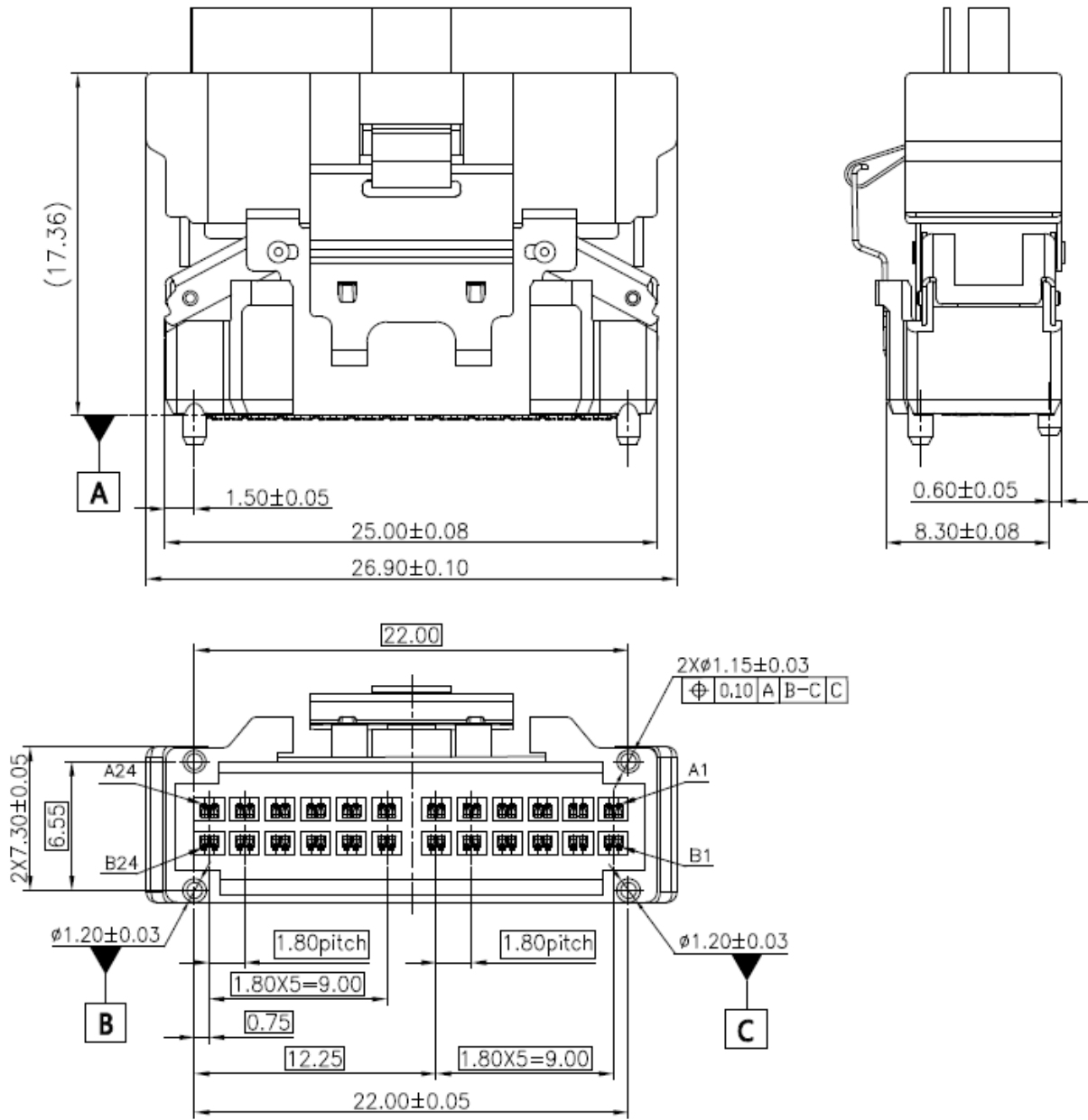


Figure 6-12 Free Side Vertical 32 (2x8) Contacts, Latched

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1 **6.3.2 Vertical Connector with 48 (2x12) Contacts**



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Figure 6-13 Free Side Vertical 48 (2x12) Contacts, Unlatched

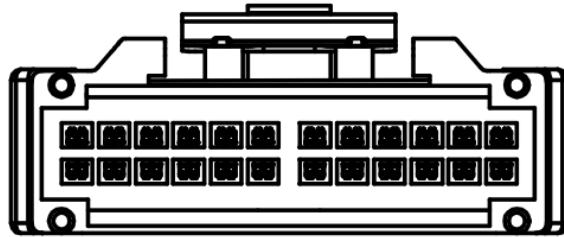
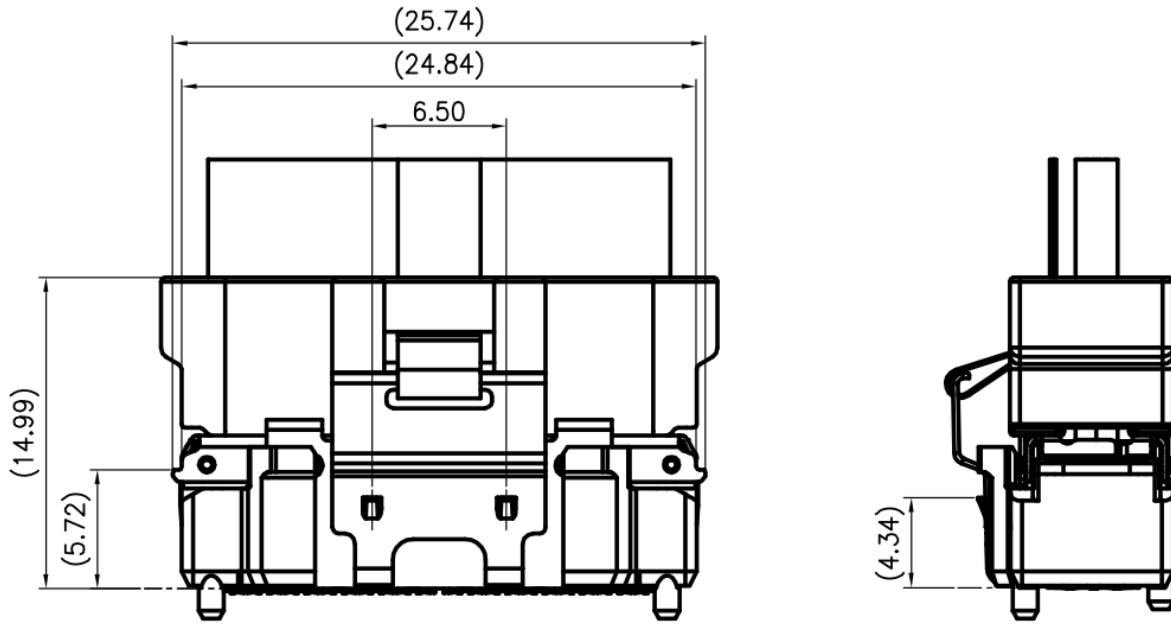
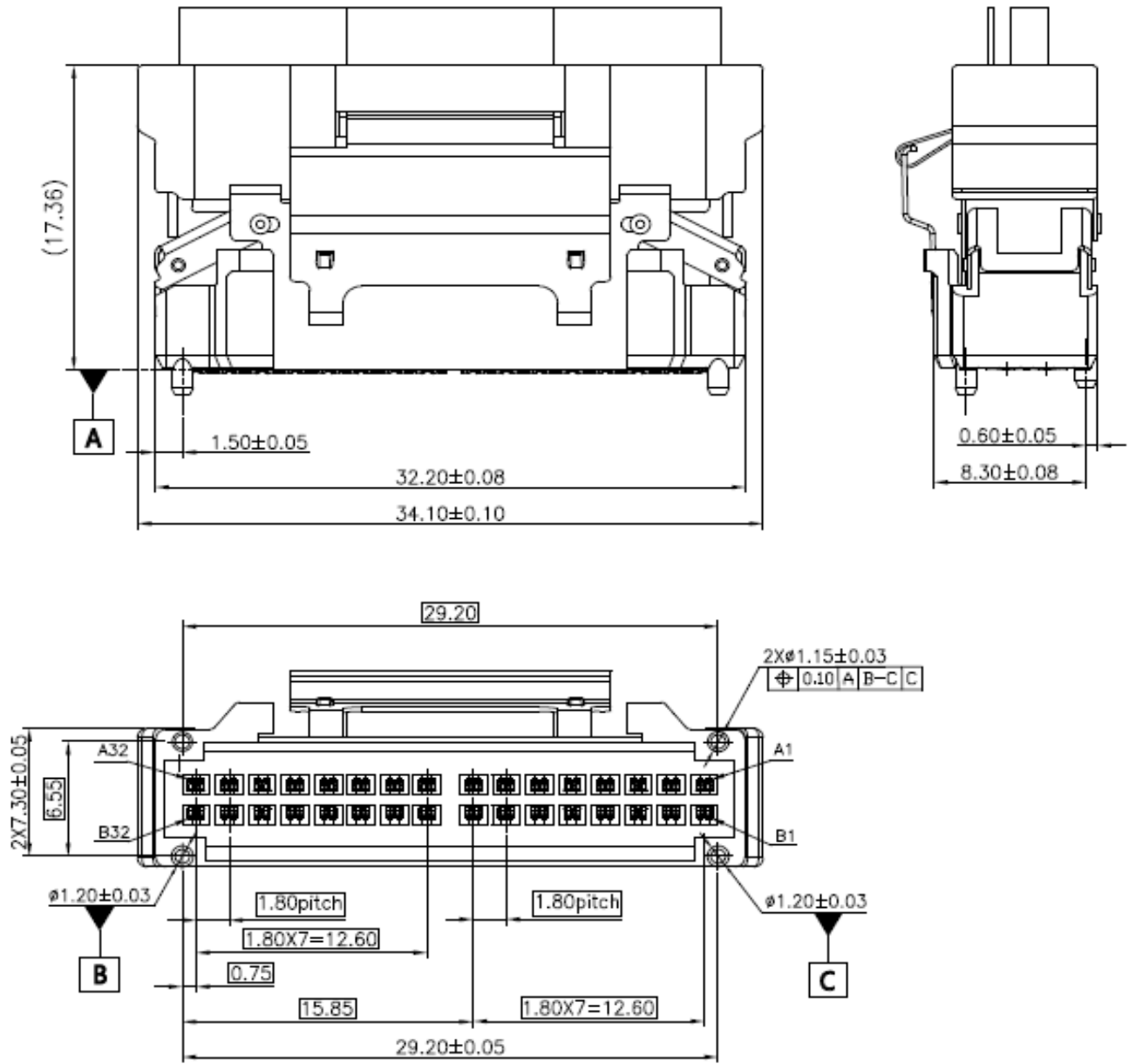


Figure 6-14 Free Side Vertical 48 (2x12) Contacts, Latched

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1 **6.3.3 Vertical Connector with 64 (2x16) Contacts**



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Figure 6-15 Free Side Vertical 64 (2x16) Contacts, Unlatched

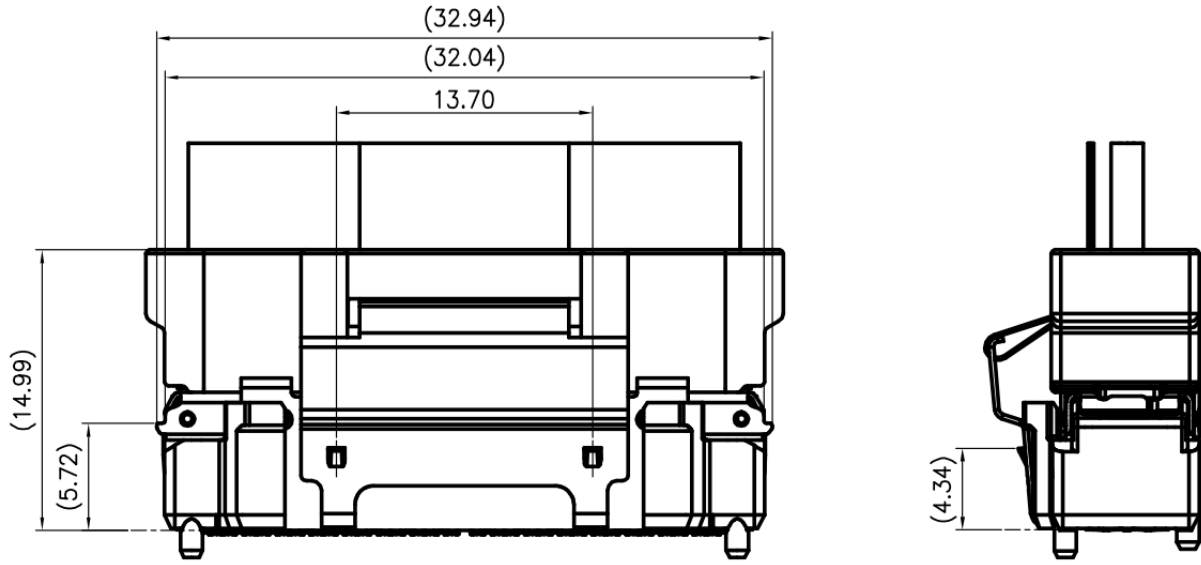


Figure 6-16 Free Side Vertical 64 (2x16) Contacts, Latched

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7. Test Requirements and Methodologies (TS-1000, etc.)

7.1 Performance Tables

EIA-364-1000 (TS-1000) shall be used to define the test sequences and procedures for evaluating the connector system described in this document. Where multiple test options are available, the manufacturer shall select the appropriate option where not previously specified. The selected procedure should be noted when reporting data. If there are conflicting requirements or test procedures between EIA-364 procedures and those contained within this document, this document shall be considered the prevailing authority.

Unless otherwise specified, procedures for sample size, data, and collection to be followed as specified in EIA-364-1000. See EIA-364-1000 Annex B for objectives of tests and test groups.

Table 7-1 summarizes the performance criteria that are to be satisfied by the connector described in this document. Most performance criteria are validated by EIA-364-1000 testing, but this test suite leaves some test details to be determined. To ensure that testing is repeatable, these details are identified in Table 7-2. Finally, testing procedures used to validate any performance criteria not included in EIA-364-1000 are provided in Table 7-3.

Table 7-1 Form Factor Performance Requirements

Performance Parameters	Description/ Details	Requirement
Mechanical/ Physical Requirements		
Plating Type	Plating type on connector contacts	Precious
Surface Treatment	Surface treatment on connector contacts	Non-lubricated
Wipe length	Designed distance a contact traverses over a mating contact surface during mating and resting at a final position	0.08 mm Min
Rated Durability Cycles	The expected number of durability cycles a component is expected to encounter over the course of its life	Connector / cage: 50 cycles
Latched Mating Force*	Maximum force required to press a free-side connector into a fixed-side cage until the locking mechanism is changed from open to fully engaged	1 N per contact pair + 20N max
Latched Unmating Force*	Amount of force needed to separate a free-side connector from a fixed-side cage when latching mechanism is deactivated	5 N min 40 N max
Latch Retention*	Amount of force the latching mechanism can withstand	50 N min
Wrenching Strength	Amount of force in various directions the product can withstand while mated	25 N min for each axis direction
Environmental Requirements		
Field Life	The expected service life for a component	10 years
Field Temperature	The expected service temperature for a component	0 °C to 65 °C
Storage Temperature*	The expected storage temperature for a component when not in use	-20 °C to +80 °C
Storage Humidity*	The maximum expected storage humidity for a component when not in use	80% Relative Humidity
Electrical Requirements		
Current*	Maximum current to which a contact is exposed in use	0.75 A per contact max

Performance Parameters	Description/ Details	Requirement
Operating Rating Voltage	Maximum voltage to which a contact is exposed in use	30 V DC per contact max
NOTE: Performance criteria denoted with stars (*) are not validated by EIA-364-1000 testing. Refer to Table 7-3 for test procedures and pass/fail criteria.		

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Table 7-2 describes the details necessary to perform the tests described in the EIA-364-1000 test sequences. Testing shall be done in accordance with EIA-364-1000 and the test procedures it identifies in such a way that the parameters/ requirements defined in Table 7-1 are met. Any information in this table supersedes EIA-364-1000.

Table 7-2 EIA-364-1000 Test Details

Test	Test Descriptions and Details	Pass/ Fail Criteria
Mechanical/ Physical Tests		
Durability (preconditioning)	EIA-364-09 To be tested with connector and cage (Latches should not be locked)	No evidence of physical damage
Durability (see Note 1)	EIA-364-09 To be tested with connector and cage (Latches should not be locked out per EIA-364-1000)	No visual damage to mating interface or latching mechanism
Environmental Tests		
Mixed Flowing Gas (see Note 2)	EIA-364-65 Class IIA Duration: 240 hours (unmated), 80 hours (mated)	No evidence of physical damage, LLCR 20 mΩ max change from baseline
Electrical Tests		
Low Level Contact Resistance (see Note 3)	EIA-364-23 20 mV DC max, 100 mA max To include wire termination or connector-to-board termination	20 mΩ max change from baseline, which is 30 mΩ max
Dielectric Withstanding Voltage	EIA-364-20 Method B 200 VDC minimum for 1 minute	No defect or breakdown between adjacent contacts -AND- 0.5 mA max Leakage Current
NOTES:		
<ol style="list-style-type: none"> 1. If the durability requirement on the connector is greater than that of the module, modules may be replaced after their specified durability rating. 2. Test option, temperature, duration must be reported. 3. The first low level contact resistance reading in each test sequence is used to determine a baseline measurement. Subsequent measurements in each sequence are measured against this baseline. 		

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Table 7-3 describes the testing procedures necessary to validate performance criteria not validated by EIA-364-1000 testing. The tests are to be performed in such a way that the parameters/ requirements defined in Table 7-1 are met.

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Table 7-3 Additional Test Procedures

Test	Test Descriptions and Details	Pass/ Fail Criteria
Mechanical/ Physical Tests		
Latched Mating Force	EIA-364-13 To be tested with cage, connector, and module without heat sinks Latching mechanism deactivated (locked out)	Refer to Table 7-1 -AND-
Latched Unmating Force	EIA-364-13 To be tested with cage, connector, and module without heat sinks Latching mechanism deactivated (locked out)	No physical damage to any components
Latch Retention	EIA-364-98 To be tested with cage, connector, and module without heat sinks Latching mechanism engaged (not locked out) Apply a minimum tensile force of 50 N at a rate of 25 mm/min and hold for 1 minute	Observe the latch for accidental unlocking, deformation or damage during the test. After 1 minute, check the latch status: Pass: No unlocking or obvious damage Fail: Unlocking or fracture occurs
Wrenching Strength	Bend cable 90° at minimum bend radius. Pull 25 N Min in each of 4 axis directions for round cable. Pull 25 N Min in each of 2 axis directions for flat cable.	No damage to connector, cage, or cable assembly.
Environmental Tests		
Storage Temperature	EIA-364-32 Method A, Test Condition 1, Duration 4 Use min and max Field Temperatures listed in Table 7-1 for temperature range	Refer to Table 7-1
Storage Humidity	EIA-364-31	Refer to Table 7-1
Electrical Tests		
Current	EIA-364-70 Method 3, 30-degree temperature rise Contacts energized: Up to a maximum of 6 adjacent contacts per side, 12 contacts total	Refer to Table 7-1 for current magnitude
NOTES: 1. Requirements and tests specified that fall outside of EIA-364-1000 testing are listed in this table.		

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1 **Appendix A. System Mechanical Specification (Informative)**

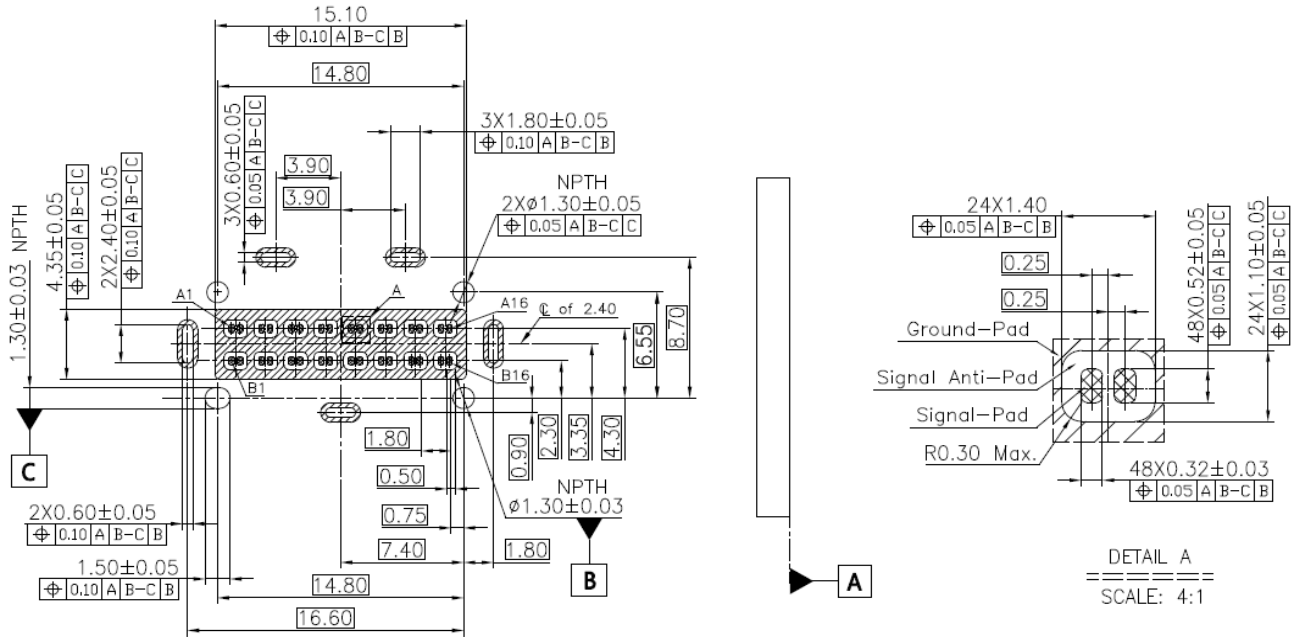
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3 **A.1. Overview**

4 In the appendix, recommended PCB layouts are included. These layouts are applicable to both right angle and
5 vertical fixed-side cages.

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7 **A.2. PCB Layout**



RECOMMENDED PCB LAYOUT

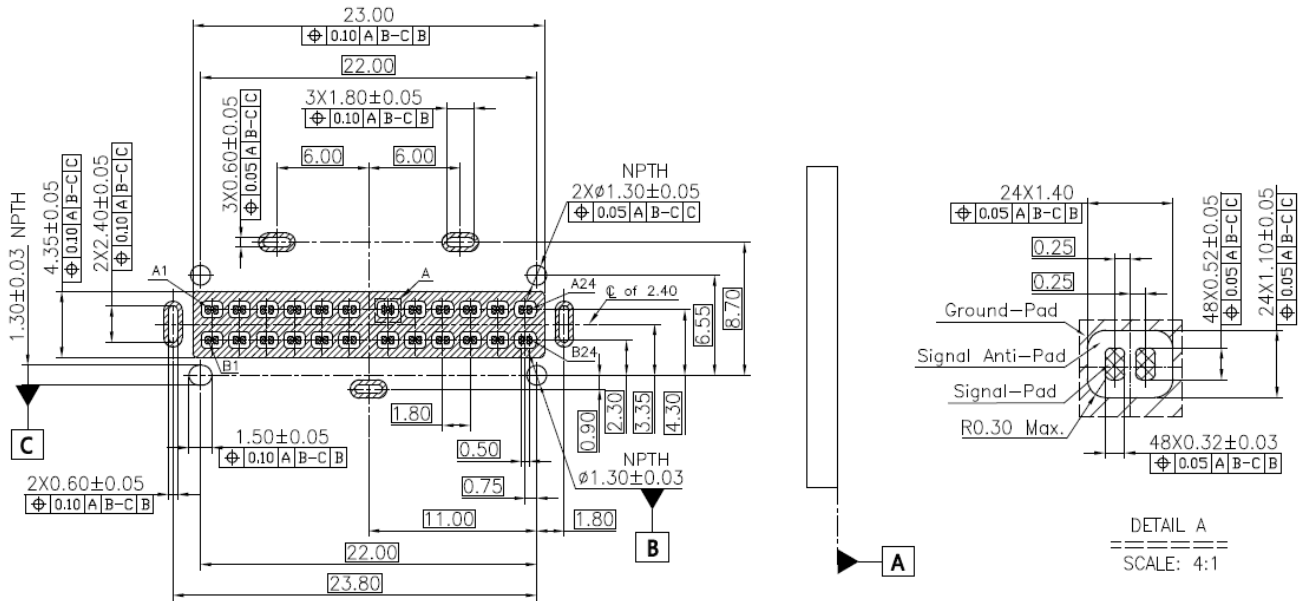
8 **Figure A-1 PCB Layout for 32 (2x8) Contacts Fixed-Side Cage**

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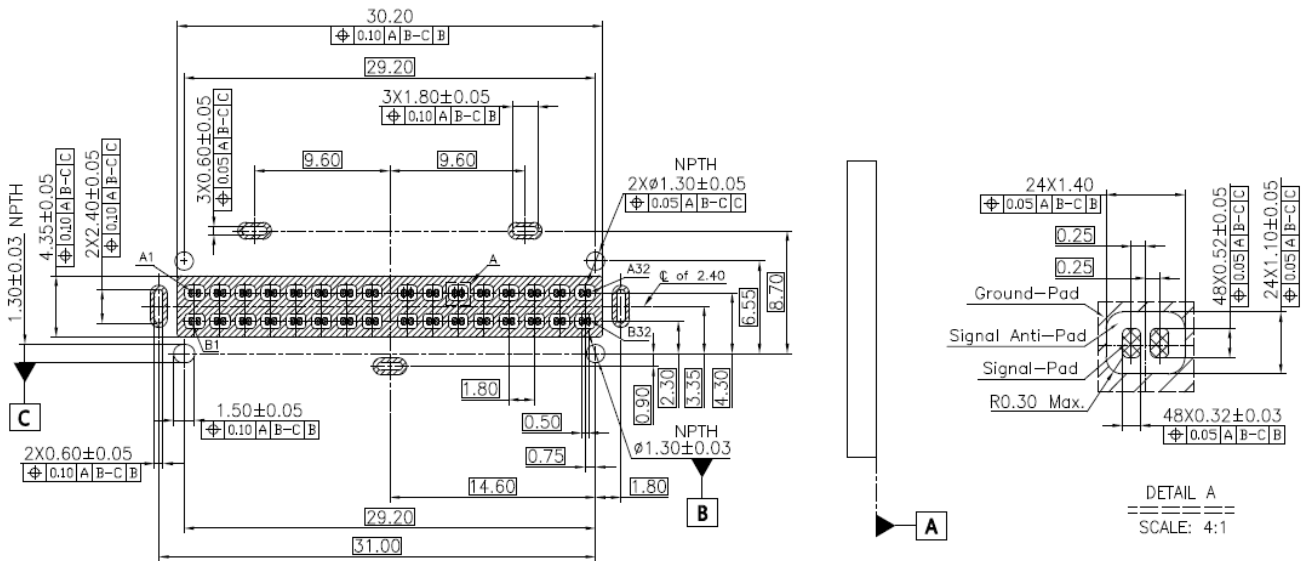
RECOMMENDED PCB LAYOUT

Figure A-2 PCB Layout for 48 (2x12) Contacts Fixed-Side Cage

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RECOMMENDED PCB LAYOUT

Figure A-3 PCB Layout for 64 (2x16) Contacts Fixed-Side Cage

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