

CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2135314-1
Report Reference E28476-19731123
Date 13-Apr-2023

Issued to: TYCO Electronics Corp
2901 Fulling Mill Rd Middletown, PA 17057
United States

**This is to certify that
representative samples of**

ECBT8 - Connectors for Use in Data, Signal, Control and
Power Applications Certified for Canada - Component
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the
component requirements in the Standard(s) indicated on
this Certificate. UL Recognized components are incomplete
in certain constructional features or restricted in
performance capabilities and are intended for installation in
complete equipment submitted for investigation to UL LLC.


Standard(s) for Safety: CSA C22.2 No. 182.3 - Special Use Attachment Plugs,
Receptacles and Connectors

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information

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Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.


Deborah Jennings-Conner, VP Regulatory Services

UL LLC

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Certificate Number UL-CA-2135314-1
Report Reference E28476-19731123
Date 13-Apr-2023

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Model	Category Description
Twin Leaf Series, 1-1489049-0	Component Connector
Twin Leaf Series, 1-1489049-1	Component Connector
Twin Leaf Series, 1364922-1	Component Connector
Twin Leaf Series, 1364922-2	Component Connector
Twin Leaf Series, 1364923-1	Component Connector
Twin Leaf Series, 1364923-2	Component Connector
Twin Leaf Series, 1364947-1	Component Connector
Twin Leaf Series, 1364947-2	Component Connector
Twin Leaf Series, 1364947-3	Component Connector
Twin Leaf Series, 1364947-4	Component Connector
Twin Leaf Series, 1364947-5	Component Connector
Twin Leaf Series, 1364947-6	Component Connector
Twin Leaf Series, 1364947-7	Component Connector
Twin Leaf Series, 147351	Component Connector
Twin Leaf Series, 147354	Component Connector
Twin Leaf Series, 147431-1	Component Connector
Twin Leaf Series, 147431-2	Component Connector
Twin Leaf Series, 147439	Component Connector
Twin Leaf Series, 1489049-1	Component Connector
Twin Leaf Series, 1489049-2	Component Connector
Twin Leaf Series, 1489049-3	Component Connector
Twin Leaf Series, 1489049-4	Component Connector
Twin Leaf Series, 1489049-5	Component Connector
Twin Leaf Series, 1489049-6	Component Connector
Twin Leaf Series, 1489049-7	Component Connector
Twin Leaf Series, 1489049-8	Component Connector
Twin Leaf Series, 1489049-9	Component Connector
Twin Leaf Series, 170156-1	Component Connector
Twin Leaf Series, 170156-2	Component Connector
Twin Leaf Series, 170156-3	Component Connector
Twin Leaf Series, 170156-4	Component Connector
Twin Leaf Series, 170156-5	Component Connector
Twin Leaf Series, 170158-2	Component Connector
Twin Leaf Series, 170158-3	Component Connector
Twin Leaf Series, 170158-4	Component Connector
Twin Leaf Series, 170158-5	Component Connector
Twin Leaf Series, 170160-1	Component Connector
Twin Leaf Series, 170160-2	Component Connector
Twin Leaf Series, 170160-3	Component Connector


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Certificate Number UL-CA-2135314-1
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Twin Leaf Series, 170160-4	Component Connector
Twin Leaf Series, 170160-5	Component Connector
Twin Leaf Series, 174842	Component Connector
Twin Leaf Series, 174843	Component Connector
Twin Leaf Series, 523684	Component Connector
Twin Leaf Series, 530223	Component Connector
Twin Leaf Series, 530265	Component Connector
Twin Leaf Series, 530268	Component Connector
Twin Leaf Series, 530278	Component Connector
Twin Leaf Series, 530291	Component Connector
Twin Leaf Series, 531553	Component Connector
Twin Leaf Series, 531554	Component Connector
Twin Leaf Series, 531555	Component Connector
Twin Leaf Series, 531623-1	Component Connector
Twin Leaf Series, 531623-2	Component Connector
Twin Leaf Series, 531623-3	Component Connector
Twin Leaf Series, 531623-4	Component Connector
Twin Leaf Series, 531623-5	Component Connector
Twin Leaf Series, 532265	Component Connector
Twin Leaf Series, 532700	Component Connector
Twin Leaf Series, 583652	Component Connector
Twin Leaf Series, 583672	Component Connector
Twin Leaf Series, 583864-1	Component Connector
Twin Leaf Series, 583864-2	Component Connector
Twin Leaf Series, 583864-3	Component Connector
Twin Leaf Series, 583864-4	Component Connector
Twin Leaf Series, 583864-5	Component Connector
Twin Leaf Series, 583864-6	Component Connector
Twin Leaf Series, 583864-7	Component Connector
Twin Leaf Series, 583877	Component Connector
Twin Leaf Series, 583900	Component Connector
Twin Leaf Series, 645155-1	Component Connector
Twin Leaf Series, 645155-2	Component Connector
Twin Leaf Series, 645163	Component Connector
Twin Leaf Series, 645208	Component Connector
Twin Leaf Series, 645255	Component Connector
Twin Leaf Series, 645275	Component Connector
Twin Leaf Series, 645308	Component Connector


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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2142075-5
Report Reference E28476-19731123
Date 13-Apr-2023

Issued to: TYCO Electronics Corp
2901 Fulling Mill Rd Middletown, PA 17057
United States

**This is to certify that
representative samples of**

ECBT2 - Connectors for Use in Data, Signal, Control and
Power Applications - Component

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the
component requirements in the Standard(s) indicated on
this Certificate. UL Recognized components are incomplete
in certain constructional features or restricted in
performance capabilities and are intended for installation in
complete equipment submitted for investigation to UL LLC.


Standard(s) for Safety: UL 1977, Edition 4, Issue Date 2022-12-07

Additional Information: See the UL Online Certifications Directory at
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Report Reference E28476-19731123
Date 13-Apr-2023

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Model	Category Description
Twin Leaf Series, 1-1489049-0	Component Connector
Twin Leaf Series, 1-1489049-1	Component Connector
1-583717-1	Connectors
1-583717-3	Connectors
1-583717-5	Connectors
1-583717-9	Connectors
1-583718-1	Connectors
1-583718-3	Connectors
1-583718-5	Connectors
1-583718-7	Connectors
1-583859-3	Connectors
1-583859-5	Connectors
1-583861-1	Connectors
1-583861-7	Connectors
1-583861-9	Connectors
1-583873-9	Connectors
Twin Leaf Series, 1364922-1	Component Connector
Twin Leaf Series, 1364922-2	Component Connector
Twin Leaf Series, 1364923-1	Component Connector
Twin Leaf Series, 1364923-2	Component Connector
Twin Leaf Series, 1364947-1	Component Connector
Twin Leaf Series, 1364947-2	Component Connector
Twin Leaf Series, 1364947-3	Component Connector
Twin Leaf Series, 1364947-4	Component Connector
Twin Leaf Series, 1364947-5	Component Connector
Twin Leaf Series, 1364947-6	Component Connector
Twin Leaf Series, 1364947-7	Component Connector
Twin Leaf Series, 147351	Component Connector
Twin Leaf Series, 147354	Component Connector
Twin Leaf Series, 147431-1	Component Connector
Twin Leaf Series, 147431-2	Component Connector
Twin Leaf Series, 147439	Component Connector
Twin Leaf Series, 1489049-1	Component Connector
Twin Leaf Series, 1489049-2	Component Connector
Twin Leaf Series, 1489049-3	Component Connector
Twin Leaf Series, 1489049-4	Component Connector
Twin Leaf Series, 1489049-5	Component Connector
Twin Leaf Series, 1489049-6	Component Connector
Twin Leaf Series, 1489049-7	Component Connector

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Report Reference E28476-19731123
Date 13-Apr-2023

Twin Leaf Series, 1489049-8	Component Connector
Twin Leaf Series, 1489049-9	Component Connector
Twin Leaf Series, 170156-1	Component Connector
Twin Leaf Series, 170156-2	Component Connector
Twin Leaf Series, 170156-3	Component Connector
Twin Leaf Series, 170156-4	Component Connector
Twin Leaf Series, 170156-5	Component Connector
Twin Leaf Series, 170158-2	Component Connector
Twin Leaf Series, 170158-3	Component Connector
Twin Leaf Series, 170158-4	Component Connector
Twin Leaf Series, 170158-5	Component Connector
Twin Leaf Series, 170160-1	Component Connector
Twin Leaf Series, 170160-2	Component Connector
Twin Leaf Series, 170160-3	Component Connector
Twin Leaf Series, 170160-4	Component Connector
Twin Leaf Series, 170160-5	Component Connector
Twin Leaf Series, 174842	Component Connector
Twin Leaf Series, 174843	Component Connector
2-583717-1	Connectors
2-583717-3	Connectors
2-583717-7	Connectors
2-583718-7	Connectors
2-583859-1	Connectors
2-583859-3	Connectors
2-583861-1	Connectors
2-583861-5	Connectors
2-583861-9	Connectors
3-583717-1	Connectors
3-583717-3	Connectors
3-583717-9	Connectors
4-583717-2	Connectors
4-583717-3	Connectors
Twin Leaf Series, 523684	Component Connector
Twin Leaf Series, 530223	Component Connector
530241-1	Connectors
Twin Leaf Series, 530265	Component Connector
Twin Leaf Series, 530268	Component Connector
Twin Leaf Series, 530278	Component Connector
Twin Leaf Series, 530291	Component Connector
Twin Leaf Series, 531553	Component Connector
Twin Leaf Series, 531554	Component Connector
Twin Leaf Series, 531555	Component Connector
Twin Leaf Series, 531623-1	Component Connector
Twin Leaf Series, 531623-2	Component Connector
Twin Leaf Series, 531623-3	Component Connector

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Twin Leaf Series, 531623-4	Component Connector
Twin Leaf Series, 531623-5	Component Connector
Twin Leaf Series, 532265	Component Connector
Twin Leaf Series, 532700	Component Connector
Twin Leaf Series, 583652	Component Connector
Twin Leaf Series, 583672	Component Connector
583717-1	Connectors
583717-3	Connectors
583717-5	Connectors
583717-7	Connectors
583717-9	Connectors
583718-1	Connectors
583718-3	Connectors
583718-9	Connectors
583859-1	Connectors
583859-5	Connectors
583859-7	Connectors
583859-9	Connectors
583861-1	Connectors
583861-3	Connectors
583861-5	Connectors
583861-7	Connectors
583861-9	Connectors
Twin Leaf Series, 583864-1	Component Connector
Twin Leaf Series, 583864-2	Component Connector
Twin Leaf Series, 583864-3	Component Connector
Twin Leaf Series, 583864-4	Component Connector
Twin Leaf Series, 583864-5	Component Connector
Twin Leaf Series, 583864-6	Component Connector
Twin Leaf Series, 583864-7	Component Connector
583873-1	Connectors
583873-5	Connectors
583873-9	Connectors
Twin Leaf Series, 583877	Component Connector
Twin Leaf Series, 583900	Component Connector
Twin Leaf Series, 645155-1	Component Connector
Twin Leaf Series, 645155-2	Component Connector
Twin Leaf Series, 645163	Component Connector
Twin Leaf Series, 645208	Component Connector
Twin Leaf Series, 645255	Component Connector
Twin Leaf Series, 645275	Component Connector
Twin Leaf Series, 645308	Component Connector


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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2135318-0
Report Reference E28476-19731123
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United States

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Standard(s) for Safety: CSA C22.2 No. 182.3 - Special Use Attachment Plugs,
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Model	Category Description
Twin Leaf Series, 1-1489049-0	Component Connector
Twin Leaf Series, 1-1489049-1	Component Connector
Twin Leaf Series, 1364922-1	Component Connector
Twin Leaf Series, 1364922-2	Component Connector
Twin Leaf Series, 1364923-1	Component Connector
Twin Leaf Series, 1364923-2	Component Connector
Twin Leaf Series, 1364947-1	Component Connector
Twin Leaf Series, 1364947-2	Component Connector
Twin Leaf Series, 1364947-3	Component Connector
Twin Leaf Series, 1364947-4	Component Connector
Twin Leaf Series, 1364947-5	Component Connector
Twin Leaf Series, 1364947-6	Component Connector
Twin Leaf Series, 1364947-7	Component Connector
Twin Leaf Series, 147351	Component Connector
Twin Leaf Series, 147354	Component Connector
Twin Leaf Series, 147431-1	Component Connector
Twin Leaf Series, 147431-2	Component Connector
Twin Leaf Series, 147439	Component Connector
Twin Leaf Series, 1489049-1	Component Connector
Twin Leaf Series, 1489049-2	Component Connector
Twin Leaf Series, 1489049-3	Component Connector
Twin Leaf Series, 1489049-4	Component Connector
Twin Leaf Series, 1489049-5	Component Connector
Twin Leaf Series, 1489049-6	Component Connector
Twin Leaf Series, 1489049-7	Component Connector
Twin Leaf Series, 1489049-8	Component Connector
Twin Leaf Series, 1489049-9	Component Connector
Twin Leaf Series, 170156-1	Component Connector
Twin Leaf Series, 170156-2	Component Connector
Twin Leaf Series, 170156-3	Component Connector
Twin Leaf Series, 170156-4	Component Connector
Twin Leaf Series, 170156-5	Component Connector
Twin Leaf Series, 170158-2	Component Connector
Twin Leaf Series, 170158-3	Component Connector
Twin Leaf Series, 170158-4	Component Connector
Twin Leaf Series, 170158-5	Component Connector
Twin Leaf Series, 170160-1	Component Connector
Twin Leaf Series, 170160-2	Component Connector
Twin Leaf Series, 170160-3	Component Connector


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Twin Leaf Series, 170160-5	Component Connector
Twin Leaf Series, 174842	Component Connector
Twin Leaf Series, 174843	Component Connector
Twin Leaf Series, 523684	Component Connector
Twin Leaf Series, 530223	Component Connector
Twin Leaf Series, 530265	Component Connector
Twin Leaf Series, 530268	Component Connector
Twin Leaf Series, 530278	Component Connector
Twin Leaf Series, 530291	Component Connector
Twin Leaf Series, 531553	Component Connector
Twin Leaf Series, 531554	Component Connector
Twin Leaf Series, 531555	Component Connector
Twin Leaf Series, 531623-1	Component Connector
Twin Leaf Series, 531623-2	Component Connector
Twin Leaf Series, 531623-3	Component Connector
Twin Leaf Series, 531623-4	Component Connector
Twin Leaf Series, 531623-5	Component Connector
Twin Leaf Series, 532265	Component Connector
Twin Leaf Series, 532700	Component Connector
Twin Leaf Series, 583652	Component Connector
Twin Leaf Series, 583672	Component Connector
Twin Leaf Series, 583864-1	Component Connector
Twin Leaf Series, 583864-2	Component Connector
Twin Leaf Series, 583864-3	Component Connector
Twin Leaf Series, 583864-4	Component Connector
Twin Leaf Series, 583864-5	Component Connector
Twin Leaf Series, 583864-6	Component Connector
Twin Leaf Series, 583864-7	Component Connector
Twin Leaf Series, 583877	Component Connector
Twin Leaf Series, 583900	Component Connector
Twin Leaf Series, 645155-1	Component Connector
Twin Leaf Series, 645155-2	Component Connector
Twin Leaf Series, 645163	Component Connector
Twin Leaf Series, 645208	Component Connector
Twin Leaf Series, 645255	Component Connector
Twin Leaf Series, 645275	Component Connector
Twin Leaf Series, 645308	Component Connector


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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2142080-2
Report Reference E28476-19731123
Date 13-Apr-2023

Issued to: TYCO Electronics Corp
2901 Fulling Mill Rd Middletown, PA 17057
United States

**This is to certify that
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ECBT2 - Connectors for Use in Data, Signal, Control and
Power Applications - Component

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Standard(s) for Safety: UL 1977, Edition 4, Issue Date 2022-12-07

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2142080-2
Report Reference E28476-19731123
Date 13-Apr-2023

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Model	Category Description
Twin Leaf Series, 1-1489049-0	Component Connector
Twin Leaf Series, 1-1489049-1	Component Connector
1-583717-1	Connectors
1-583717-3	Connectors
1-583717-5	Connectors
1-583717-9	Connectors
1-583718-1	Connectors
1-583718-3	Connectors
1-583718-5	Connectors
1-583718-7	Connectors
1-583859-3	Connectors
1-583859-5	Connectors
1-583861-1	Connectors
1-583861-7	Connectors
1-583861-9	Connectors
1-583873-9	Connectors
Twin Leaf Series, 1364922-1	Component Connector
Twin Leaf Series, 1364922-2	Component Connector
Twin Leaf Series, 1364923-1	Component Connector
Twin Leaf Series, 1364923-2	Component Connector
Twin Leaf Series, 1364947-1	Component Connector
Twin Leaf Series, 1364947-2	Component Connector
Twin Leaf Series, 1364947-3	Component Connector
Twin Leaf Series, 1364947-4	Component Connector
Twin Leaf Series, 1364947-5	Component Connector
Twin Leaf Series, 1364947-6	Component Connector
Twin Leaf Series, 1364947-7	Component Connector
Twin Leaf Series, 147351	Component Connector
Twin Leaf Series, 147354	Component Connector
Twin Leaf Series, 147431-1	Component Connector
Twin Leaf Series, 147431-2	Component Connector
Twin Leaf Series, 147439	Component Connector
Twin Leaf Series, 1489049-1	Component Connector
Twin Leaf Series, 1489049-2	Component Connector
Twin Leaf Series, 1489049-3	Component Connector
Twin Leaf Series, 1489049-4	Component Connector
Twin Leaf Series, 1489049-5	Component Connector
Twin Leaf Series, 1489049-6	Component Connector
Twin Leaf Series, 1489049-7	Component Connector

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Twin Leaf Series, 1489049-9	Component Connector
Twin Leaf Series, 170156-1	Component Connector
Twin Leaf Series, 170156-2	Component Connector
Twin Leaf Series, 170156-3	Component Connector
Twin Leaf Series, 170156-4	Component Connector
Twin Leaf Series, 170156-5	Component Connector
Twin Leaf Series, 170158-2	Component Connector
Twin Leaf Series, 170158-3	Component Connector
Twin Leaf Series, 170158-4	Component Connector
Twin Leaf Series, 170158-5	Component Connector
Twin Leaf Series, 170160-1	Component Connector
Twin Leaf Series, 170160-2	Component Connector
Twin Leaf Series, 170160-3	Component Connector
Twin Leaf Series, 170160-4	Component Connector
Twin Leaf Series, 170160-5	Component Connector
Twin Leaf Series, 174842	Component Connector
Twin Leaf Series, 174843	Component Connector
2-583717-1	Connectors
2-583717-3	Connectors
2-583717-7	Connectors
2-583718-7	Connectors
2-583859-1	Connectors
2-583859-3	Connectors
2-583861-1	Connectors
2-583861-5	Connectors
2-583861-9	Connectors
3-583717-1	Connectors
3-583717-3	Connectors
3-583717-9	Connectors
4-583717-2	Connectors
4-583717-3	Connectors
Twin Leaf Series, 523684	Component Connector
Twin Leaf Series, 530223	Component Connector
530241-1	Connectors
Twin Leaf Series, 530265	Component Connector
Twin Leaf Series, 530268	Component Connector
Twin Leaf Series, 530278	Component Connector
Twin Leaf Series, 530291	Component Connector
Twin Leaf Series, 531553	Component Connector
Twin Leaf Series, 531554	Component Connector
Twin Leaf Series, 531555	Component Connector
Twin Leaf Series, 531623-1	Component Connector
Twin Leaf Series, 531623-2	Component Connector
Twin Leaf Series, 531623-3	Component Connector

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2142080-2
Report Reference E28476-19731123
Date 13-Apr-2023

Twin Leaf Series, 531623-4	Component Connector
Twin Leaf Series, 531623-5	Component Connector
Twin Leaf Series, 532265	Component Connector
Twin Leaf Series, 532700	Component Connector
Twin Leaf Series, 583652	Component Connector
Twin Leaf Series, 583672	Component Connector
583717-1	Connectors
583717-3	Connectors
583717-5	Connectors
583717-7	Connectors
583717-9	Connectors
583718-1	Connectors
583718-3	Connectors
583718-9	Connectors
583859-1	Connectors
583859-5	Connectors
583859-7	Connectors
583859-9	Connectors
583861-1	Connectors
583861-3	Connectors
583861-5	Connectors
583861-7	Connectors
583861-9	Connectors
Twin Leaf Series, 583864-1	Component Connector
Twin Leaf Series, 583864-2	Component Connector
Twin Leaf Series, 583864-3	Component Connector
Twin Leaf Series, 583864-4	Component Connector
Twin Leaf Series, 583864-5	Component Connector
Twin Leaf Series, 583864-6	Component Connector
Twin Leaf Series, 583864-7	Component Connector
583873-1	Connectors
583873-5	Connectors
583873-9	Connectors
Twin Leaf Series, 583877	Component Connector
Twin Leaf Series, 583900	Component Connector
Twin Leaf Series, 645155-1	Component Connector
Twin Leaf Series, 645155-2	Component Connector
Twin Leaf Series, 645163	Component Connector
Twin Leaf Series, 645208	Component Connector
Twin Leaf Series, 645255	Component Connector
Twin Leaf Series, 645275	Component Connector
Twin Leaf Series, 645308	Component Connector


Deborah Jennings-Conner, VP Regulatory Services



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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2135319-0
Report Reference E28476-19731123
Date 13-Apr-2023

Issued to: TYCO Electronics Corp
2901 Fulling Mill Rd Middletown, PA 17057
United States

**This is to certify that
representative samples of**

ECBT8 - Connectors for Use in Data, Signal, Control and
Power Applications Certified for Canada - Component
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the
component requirements in the Standard(s) indicated on
this Certificate. UL Recognized components are incomplete
in certain constructional features or restricted in
performance capabilities and are intended for installation in
complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: CSA C22.2 No. 182.3 - Special Use Attachment Plugs,
Receptacles and Connectors

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.

Deborah Jennings-Conner

Deborah Jennings-Conner, VP Regulatory Services

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2135319-0
Report Reference E28476-19731123
Date 13-Apr-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
Twin Leaf Series, 1-1489049-0	Component Connector
Twin Leaf Series, 1-1489049-1	Component Connector
Twin Leaf Series, 1364922-1	Component Connector
Twin Leaf Series, 1364922-2	Component Connector
Twin Leaf Series, 1364923-1	Component Connector
Twin Leaf Series, 1364923-2	Component Connector
Twin Leaf Series, 1364947-1	Component Connector
Twin Leaf Series, 1364947-2	Component Connector
Twin Leaf Series, 1364947-3	Component Connector
Twin Leaf Series, 1364947-4	Component Connector
Twin Leaf Series, 1364947-5	Component Connector
Twin Leaf Series, 1364947-6	Component Connector
Twin Leaf Series, 1364947-7	Component Connector
Twin Leaf Series, 147351	Component Connector
Twin Leaf Series, 147354	Component Connector
Twin Leaf Series, 147431-1	Component Connector
Twin Leaf Series, 147431-2	Component Connector
Twin Leaf Series, 147439	Component Connector
Twin Leaf Series, 1489049-1	Component Connector
Twin Leaf Series, 1489049-2	Component Connector
Twin Leaf Series, 1489049-3	Component Connector
Twin Leaf Series, 1489049-4	Component Connector
Twin Leaf Series, 1489049-5	Component Connector
Twin Leaf Series, 1489049-6	Component Connector
Twin Leaf Series, 1489049-7	Component Connector
Twin Leaf Series, 1489049-8	Component Connector
Twin Leaf Series, 1489049-9	Component Connector
Twin Leaf Series, 170156-1	Component Connector
Twin Leaf Series, 170156-2	Component Connector
Twin Leaf Series, 170156-3	Component Connector
Twin Leaf Series, 170156-4	Component Connector
Twin Leaf Series, 170156-5	Component Connector
Twin Leaf Series, 170158-2	Component Connector
Twin Leaf Series, 170158-3	Component Connector
Twin Leaf Series, 170158-4	Component Connector
Twin Leaf Series, 170158-5	Component Connector
Twin Leaf Series, 170160-1	Component Connector
Twin Leaf Series, 170160-2	Component Connector
Twin Leaf Series, 170160-3	Component Connector


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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2135319-0
Report Reference E28476-19731123
Date 13-Apr-2023

Twin Leaf Series, 170160-4	Component Connector
Twin Leaf Series, 170160-5	Component Connector
Twin Leaf Series, 174842	Component Connector
Twin Leaf Series, 174843	Component Connector
Twin Leaf Series, 523684	Component Connector
Twin Leaf Series, 530223	Component Connector
Twin Leaf Series, 530265	Component Connector
Twin Leaf Series, 530268	Component Connector
Twin Leaf Series, 530278	Component Connector
Twin Leaf Series, 530291	Component Connector
Twin Leaf Series, 531553	Component Connector
Twin Leaf Series, 531554	Component Connector
Twin Leaf Series, 531555	Component Connector
Twin Leaf Series, 531623-1	Component Connector
Twin Leaf Series, 531623-2	Component Connector
Twin Leaf Series, 531623-3	Component Connector
Twin Leaf Series, 531623-4	Component Connector
Twin Leaf Series, 531623-5	Component Connector
Twin Leaf Series, 532265	Component Connector
Twin Leaf Series, 532700	Component Connector
Twin Leaf Series, 583652	Component Connector
Twin Leaf Series, 583672	Component Connector
Twin Leaf Series, 583864-1	Component Connector
Twin Leaf Series, 583864-2	Component Connector
Twin Leaf Series, 583864-3	Component Connector
Twin Leaf Series, 583864-4	Component Connector
Twin Leaf Series, 583864-5	Component Connector
Twin Leaf Series, 583864-6	Component Connector
Twin Leaf Series, 583864-7	Component Connector
Twin Leaf Series, 583877	Component Connector
Twin Leaf Series, 583900	Component Connector
Twin Leaf Series, 645155-1	Component Connector
Twin Leaf Series, 645155-2	Component Connector
Twin Leaf Series, 645163	Component Connector
Twin Leaf Series, 645208	Component Connector
Twin Leaf Series, 645255	Component Connector
Twin Leaf Series, 645275	Component Connector
Twin Leaf Series, 645308	Component Connector

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2135317-1
Report Reference E28476-19731123
Date 13-Apr-2023

Issued to: TYCO Electronics Corp
2901 Fulling Mill Rd Middletown, PA 17057
United States

**This is to certify that
representative samples of**

ECBT8 - Connectors for Use in Data, Signal, Control and
Power Applications Certified for Canada - Component
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the
component requirements in the Standard(s) indicated on
this Certificate. UL Recognized components are incomplete
in certain constructional features or restricted in
performance capabilities and are intended for installation in
complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: CSA C22.2 No. 182.3 - Special Use Attachment Plugs,
Receptacles and Connectors

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information

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Look for the UL Recognized Component Mark on the product.

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2135317-1
Report Reference E28476-19731123
Date 13-Apr-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
Twin Leaf Series, 1-1489049-0	Component Connector
Twin Leaf Series, 1-1489049-1	Component Connector
Twin Leaf Series, 1364922-1	Component Connector
Twin Leaf Series, 1364922-2	Component Connector
Twin Leaf Series, 1364923-1	Component Connector
Twin Leaf Series, 1364923-2	Component Connector
Twin Leaf Series, 1364947-1	Component Connector
Twin Leaf Series, 1364947-2	Component Connector
Twin Leaf Series, 1364947-3	Component Connector
Twin Leaf Series, 1364947-4	Component Connector
Twin Leaf Series, 1364947-5	Component Connector
Twin Leaf Series, 1364947-6	Component Connector
Twin Leaf Series, 1364947-7	Component Connector
Twin Leaf Series, 147351	Component Connector
Twin Leaf Series, 147354	Component Connector
Twin Leaf Series, 147431-1	Component Connector
Twin Leaf Series, 147431-2	Component Connector
Twin Leaf Series, 147439	Component Connector
Twin Leaf Series, 1489049-1	Component Connector
Twin Leaf Series, 1489049-2	Component Connector
Twin Leaf Series, 1489049-3	Component Connector
Twin Leaf Series, 1489049-4	Component Connector
Twin Leaf Series, 1489049-5	Component Connector
Twin Leaf Series, 1489049-6	Component Connector
Twin Leaf Series, 1489049-7	Component Connector
Twin Leaf Series, 1489049-8	Component Connector
Twin Leaf Series, 1489049-9	Component Connector
Twin Leaf Series, 170156-1	Component Connector
Twin Leaf Series, 170156-2	Component Connector
Twin Leaf Series, 170156-3	Component Connector
Twin Leaf Series, 170156-4	Component Connector
Twin Leaf Series, 170156-5	Component Connector
Twin Leaf Series, 170158-2	Component Connector
Twin Leaf Series, 170158-3	Component Connector
Twin Leaf Series, 170158-4	Component Connector
Twin Leaf Series, 170158-5	Component Connector
Twin Leaf Series, 170160-1	Component Connector
Twin Leaf Series, 170160-2	Component Connector
Twin Leaf Series, 170160-3	Component Connector


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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2135317-1
Report Reference E28476-19731123
Date 13-Apr-2023

Twin Leaf Series, 170160-4	Component Connector
Twin Leaf Series, 170160-5	Component Connector
Twin Leaf Series, 174842	Component Connector
Twin Leaf Series, 174843	Component Connector
Twin Leaf Series, 523684	Component Connector
Twin Leaf Series, 530223	Component Connector
Twin Leaf Series, 530265	Component Connector
Twin Leaf Series, 530268	Component Connector
Twin Leaf Series, 530278	Component Connector
Twin Leaf Series, 530291	Component Connector
Twin Leaf Series, 531553	Component Connector
Twin Leaf Series, 531554	Component Connector
Twin Leaf Series, 531555	Component Connector
Twin Leaf Series, 531623-1	Component Connector
Twin Leaf Series, 531623-2	Component Connector
Twin Leaf Series, 531623-3	Component Connector
Twin Leaf Series, 531623-4	Component Connector
Twin Leaf Series, 531623-5	Component Connector
Twin Leaf Series, 532265	Component Connector
Twin Leaf Series, 532700	Component Connector
Twin Leaf Series, 583652	Component Connector
Twin Leaf Series, 583672	Component Connector
Twin Leaf Series, 583864-1	Component Connector
Twin Leaf Series, 583864-2	Component Connector
Twin Leaf Series, 583864-3	Component Connector
Twin Leaf Series, 583864-4	Component Connector
Twin Leaf Series, 583864-5	Component Connector
Twin Leaf Series, 583864-6	Component Connector
Twin Leaf Series, 583864-7	Component Connector
Twin Leaf Series, 583877	Component Connector
Twin Leaf Series, 583900	Component Connector
Twin Leaf Series, 645155-1	Component Connector
Twin Leaf Series, 645155-2	Component Connector
Twin Leaf Series, 645163	Component Connector
Twin Leaf Series, 645208	Component Connector
Twin Leaf Series, 645255	Component Connector
Twin Leaf Series, 645275	Component Connector
Twin Leaf Series, 645308	Component Connector


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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2142078-3
Report Reference E28476-19731123
Date 13-Apr-2023

Issued to: TYCO Electronics Corp
2901 Fulling Mill Rd Middletown, PA 17057
United States

**This is to certify that
representative samples of**

ECBT2 - Connectors for Use in Data, Signal, Control and
Power Applications - Component

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the
component requirements in the Standard(s) indicated on
this Certificate. UL Recognized components are incomplete
in certain constructional features or restricted in
performance capabilities and are intended for installation in
complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: UL 1977, Edition 4, Issue Date 2022-12-07

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information

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Look for the UL Recognized Component Mark on the product.


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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2142078-3
Report Reference E28476-19731123
Date 13-Apr-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
Twin Leaf Series, 1-1489049-0	Component Connector
Twin Leaf Series, 1-1489049-1	Component Connector
1-583717-1	Connectors
1-583717-3	Connectors
1-583717-5	Connectors
1-583717-9	Connectors
1-583718-1	Connectors
1-583718-3	Connectors
1-583718-5	Connectors
1-583718-7	Connectors
1-583859-3	Connectors
1-583859-5	Connectors
1-583861-1	Connectors
1-583861-7	Connectors
1-583861-9	Connectors
1-583873-9	Connectors
Twin Leaf Series, 1364922-1	Component Connector
Twin Leaf Series, 1364922-2	Component Connector
Twin Leaf Series, 1364923-1	Component Connector
Twin Leaf Series, 1364923-2	Component Connector
Twin Leaf Series, 1364947-1	Component Connector
Twin Leaf Series, 1364947-2	Component Connector
Twin Leaf Series, 1364947-3	Component Connector
Twin Leaf Series, 1364947-4	Component Connector
Twin Leaf Series, 1364947-5	Component Connector
Twin Leaf Series, 1364947-6	Component Connector
Twin Leaf Series, 1364947-7	Component Connector
Twin Leaf Series, 147351	Component Connector
Twin Leaf Series, 147354	Component Connector
Twin Leaf Series, 147431-1	Component Connector
Twin Leaf Series, 147431-2	Component Connector
Twin Leaf Series, 147439	Component Connector
Twin Leaf Series, 1489049-1	Component Connector
Twin Leaf Series, 1489049-2	Component Connector
Twin Leaf Series, 1489049-3	Component Connector
Twin Leaf Series, 1489049-4	Component Connector
Twin Leaf Series, 1489049-5	Component Connector
Twin Leaf Series, 1489049-6	Component Connector
Twin Leaf Series, 1489049-7	Component Connector


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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2142078-3
 Report Reference E28476-19731123
 Date 13-Apr-2023

Twin Leaf Series, 1489049-8	Component Connector
Twin Leaf Series, 1489049-9	Component Connector
Twin Leaf Series, 170156-1	Component Connector
Twin Leaf Series, 170156-2	Component Connector
Twin Leaf Series, 170156-3	Component Connector
Twin Leaf Series, 170156-4	Component Connector
Twin Leaf Series, 170156-5	Component Connector
Twin Leaf Series, 170158-2	Component Connector
Twin Leaf Series, 170158-3	Component Connector
Twin Leaf Series, 170158-4	Component Connector
Twin Leaf Series, 170158-5	Component Connector
Twin Leaf Series, 170160-1	Component Connector
Twin Leaf Series, 170160-2	Component Connector
Twin Leaf Series, 170160-3	Component Connector
Twin Leaf Series, 170160-4	Component Connector
Twin Leaf Series, 170160-5	Component Connector
Twin Leaf Series, 174842	Component Connector
Twin Leaf Series, 174843	Component Connector
2-583717-1	Connectors
2-583717-3	Connectors
2-583717-7	Connectors
2-583718-7	Connectors
2-583859-1	Connectors
2-583859-3	Connectors
2-583861-1	Connectors
2-583861-5	Connectors
2-583861-9	Connectors
3-583717-1	Connectors
3-583717-3	Connectors
3-583717-9	Connectors
4-583717-2	Connectors
4-583717-3	Connectors
Twin Leaf Series, 523684	Component Connector
Twin Leaf Series, 530223	Component Connector
530241-1	Connectors
Twin Leaf Series, 530265	Component Connector
Twin Leaf Series, 530268	Component Connector
Twin Leaf Series, 530278	Component Connector
Twin Leaf Series, 530291	Component Connector
Twin Leaf Series, 531553	Component Connector
Twin Leaf Series, 531554	Component Connector
Twin Leaf Series, 531555	Component Connector
Twin Leaf Series, 531623-1	Component Connector
Twin Leaf Series, 531623-2	Component Connector
Twin Leaf Series, 531623-3	Component Connector

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2142078-3
Report Reference E28476-19731123
Date 13-Apr-2023

Twin Leaf Series, 531623-4	Component Connector
Twin Leaf Series, 531623-5	Component Connector
Twin Leaf Series, 532265	Component Connector
Twin Leaf Series, 532700	Component Connector
Twin Leaf Series, 583652	Component Connector
Twin Leaf Series, 583672	Component Connector
583717-1	Connectors
583717-3	Connectors
583717-5	Connectors
583717-7	Connectors
583717-9	Connectors
583718-1	Connectors
583718-3	Connectors
583718-9	Connectors
583859-1	Connectors
583859-5	Connectors
583859-7	Connectors
583859-9	Connectors
583861-1	Connectors
583861-3	Connectors
583861-5	Connectors
583861-7	Connectors
583861-9	Connectors
Twin Leaf Series, 583864-1	Component Connector
Twin Leaf Series, 583864-2	Component Connector
Twin Leaf Series, 583864-3	Component Connector
Twin Leaf Series, 583864-4	Component Connector
Twin Leaf Series, 583864-5	Component Connector
Twin Leaf Series, 583864-6	Component Connector
Twin Leaf Series, 583864-7	Component Connector
583873-1	Connectors
583873-5	Connectors
583873-9	Connectors
Twin Leaf Series, 583877	Component Connector
Twin Leaf Series, 583900	Component Connector
Twin Leaf Series, 645155-1	Component Connector
Twin Leaf Series, 645155-2	Component Connector
Twin Leaf Series, 645163	Component Connector
Twin Leaf Series, 645208	Component Connector
Twin Leaf Series, 645255	Component Connector
Twin Leaf Series, 645275	Component Connector
Twin Leaf Series, 645308	Component Connector


Deborah Jennings-Conner, VP Regulatory Services



UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2135315-2
Report Reference E28476-19731123
Date 13-Apr-2023

Issued to: TYCO Electronics Corp
2901 Fulling Mill Rd Middletown, PA 17057
United States

**This is to certify that
representative samples of**

ECBT8 - Connectors for Use in Data, Signal, Control and
Power Applications Certified for Canada - Component
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the
component requirements in the Standard(s) indicated on
this Certificate. UL Recognized components are incomplete
in certain constructional features or restricted in
performance capabilities and are intended for installation in
complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: CSA C22.2 No. 182.3 - Special Use Attachment Plugs,
Receptacles and Connectors

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information

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Look for the UL Recognized Component Mark on the product.

Deborah Jennings-Conner

Deborah Jennings-Conner, VP Regulatory Services

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2135315-2
Report Reference E28476-19731123
Date 13-Apr-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
Twin Leaf Series, 1-1489049-0	Component Connector
Twin Leaf Series, 1-1489049-1	Component Connector
Twin Leaf Series, 1364922-1	Component Connector
Twin Leaf Series, 1364922-2	Component Connector
Twin Leaf Series, 1364923-1	Component Connector
Twin Leaf Series, 1364923-2	Component Connector
Twin Leaf Series, 1364947-1	Component Connector
Twin Leaf Series, 1364947-2	Component Connector
Twin Leaf Series, 1364947-3	Component Connector
Twin Leaf Series, 1364947-4	Component Connector
Twin Leaf Series, 1364947-5	Component Connector
Twin Leaf Series, 1364947-6	Component Connector
Twin Leaf Series, 1364947-7	Component Connector
Twin Leaf Series, 147351	Component Connector
Twin Leaf Series, 147354	Component Connector
Twin Leaf Series, 147431-1	Component Connector
Twin Leaf Series, 147431-2	Component Connector
Twin Leaf Series, 147439	Component Connector
Twin Leaf Series, 1489049-1	Component Connector
Twin Leaf Series, 1489049-2	Component Connector
Twin Leaf Series, 1489049-3	Component Connector
Twin Leaf Series, 1489049-4	Component Connector
Twin Leaf Series, 1489049-5	Component Connector
Twin Leaf Series, 1489049-6	Component Connector
Twin Leaf Series, 1489049-7	Component Connector
Twin Leaf Series, 1489049-8	Component Connector
Twin Leaf Series, 1489049-9	Component Connector
Twin Leaf Series, 170156-1	Component Connector
Twin Leaf Series, 170156-2	Component Connector
Twin Leaf Series, 170156-3	Component Connector
Twin Leaf Series, 170156-4	Component Connector
Twin Leaf Series, 170156-5	Component Connector
Twin Leaf Series, 170158-2	Component Connector
Twin Leaf Series, 170158-3	Component Connector
Twin Leaf Series, 170158-4	Component Connector
Twin Leaf Series, 170158-5	Component Connector
Twin Leaf Series, 170160-1	Component Connector
Twin Leaf Series, 170160-2	Component Connector
Twin Leaf Series, 170160-3	Component Connector


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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2135315-2
Report Reference E28476-19731123
Date 13-Apr-2023

Twin Leaf Series, 170160-4	Component Connector
Twin Leaf Series, 170160-5	Component Connector
Twin Leaf Series, 174842	Component Connector
Twin Leaf Series, 174843	Component Connector
Twin Leaf Series, 523684	Component Connector
Twin Leaf Series, 530223	Component Connector
Twin Leaf Series, 530265	Component Connector
Twin Leaf Series, 530268	Component Connector
Twin Leaf Series, 530278	Component Connector
Twin Leaf Series, 530291	Component Connector
Twin Leaf Series, 531553	Component Connector
Twin Leaf Series, 531554	Component Connector
Twin Leaf Series, 531555	Component Connector
Twin Leaf Series, 531623-1	Component Connector
Twin Leaf Series, 531623-2	Component Connector
Twin Leaf Series, 531623-3	Component Connector
Twin Leaf Series, 531623-4	Component Connector
Twin Leaf Series, 531623-5	Component Connector
Twin Leaf Series, 532265	Component Connector
Twin Leaf Series, 532700	Component Connector
Twin Leaf Series, 583652	Component Connector
Twin Leaf Series, 583672	Component Connector
Twin Leaf Series, 583864-1	Component Connector
Twin Leaf Series, 583864-2	Component Connector
Twin Leaf Series, 583864-3	Component Connector
Twin Leaf Series, 583864-4	Component Connector
Twin Leaf Series, 583864-5	Component Connector
Twin Leaf Series, 583864-6	Component Connector
Twin Leaf Series, 583864-7	Component Connector
Twin Leaf Series, 583877	Component Connector
Twin Leaf Series, 583900	Component Connector
Twin Leaf Series, 645155-1	Component Connector
Twin Leaf Series, 645155-2	Component Connector
Twin Leaf Series, 645163	Component Connector
Twin Leaf Series, 645208	Component Connector
Twin Leaf Series, 645255	Component Connector
Twin Leaf Series, 645275	Component Connector
Twin Leaf Series, 645308	Component Connector


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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2142079-2
Report Reference E28476-19731123
Date 13-Apr-2023

Issued to: TYCO Electronics Corp
2901 Fulling Mill Rd Middletown, PA 17057
United States

**This is to certify that
representative samples of**

ECBT2 - Connectors for Use in Data, Signal, Control and
Power Applications - Component

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the
component requirements in the Standard(s) indicated on
this Certificate. UL Recognized components are incomplete
in certain constructional features or restricted in
performance capabilities and are intended for installation in
complete equipment submitted for investigation to UL LLC.


Standard(s) for Safety: UL 1977, Edition 4, Issue Date 2022-12-07

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

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Look for the UL Recognized Component Mark on the product.


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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2142079-2
Report Reference E28476-19731123
Date 13-Apr-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
Twin Leaf Series, 1-1489049-0	Component Connector
Twin Leaf Series, 1-1489049-1	Component Connector
1-583717-1	Connectors
1-583717-3	Connectors
1-583717-5	Connectors
1-583717-9	Connectors
1-583718-1	Connectors
1-583718-3	Connectors
1-583718-5	Connectors
1-583718-7	Connectors
1-583859-3	Connectors
1-583859-5	Connectors
1-583861-1	Connectors
1-583861-7	Connectors
1-583861-9	Connectors
1-583873-9	Connectors
Twin Leaf Series, 1364922-1	Component Connector
Twin Leaf Series, 1364922-2	Component Connector
Twin Leaf Series, 1364923-1	Component Connector
Twin Leaf Series, 1364923-2	Component Connector
Twin Leaf Series, 1364947-1	Component Connector
Twin Leaf Series, 1364947-2	Component Connector
Twin Leaf Series, 1364947-3	Component Connector
Twin Leaf Series, 1364947-4	Component Connector
Twin Leaf Series, 1364947-5	Component Connector
Twin Leaf Series, 1364947-6	Component Connector
Twin Leaf Series, 1364947-7	Component Connector
Twin Leaf Series, 147351	Component Connector
Twin Leaf Series, 147354	Component Connector
Twin Leaf Series, 147431-1	Component Connector
Twin Leaf Series, 147431-2	Component Connector
Twin Leaf Series, 147439	Component Connector
Twin Leaf Series, 1489049-1	Component Connector
Twin Leaf Series, 1489049-2	Component Connector
Twin Leaf Series, 1489049-3	Component Connector
Twin Leaf Series, 1489049-4	Component Connector
Twin Leaf Series, 1489049-5	Component Connector
Twin Leaf Series, 1489049-6	Component Connector
Twin Leaf Series, 1489049-7	Component Connector

Deborah Jennings-Conner

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2142079-2
 Report Reference E28476-19731123
 Date 13-Apr-2023

Twin Leaf Series, 1489049-8	Component Connector
Twin Leaf Series, 1489049-9	Component Connector
Twin Leaf Series, 170156-1	Component Connector
Twin Leaf Series, 170156-2	Component Connector
Twin Leaf Series, 170156-3	Component Connector
Twin Leaf Series, 170156-4	Component Connector
Twin Leaf Series, 170156-5	Component Connector
Twin Leaf Series, 170158-2	Component Connector
Twin Leaf Series, 170158-3	Component Connector
Twin Leaf Series, 170158-4	Component Connector
Twin Leaf Series, 170158-5	Component Connector
Twin Leaf Series, 170160-1	Component Connector
Twin Leaf Series, 170160-2	Component Connector
Twin Leaf Series, 170160-3	Component Connector
Twin Leaf Series, 170160-4	Component Connector
Twin Leaf Series, 170160-5	Component Connector
Twin Leaf Series, 174842	Component Connector
Twin Leaf Series, 174843	Component Connector
2-583717-1	Connectors
2-583717-3	Connectors
2-583717-7	Connectors
2-583718-7	Connectors
2-583859-1	Connectors
2-583859-3	Connectors
2-583861-1	Connectors
2-583861-5	Connectors
2-583861-9	Connectors
3-583717-1	Connectors
3-583717-3	Connectors
3-583717-9	Connectors
4-583717-2	Connectors
4-583717-3	Connectors
Twin Leaf Series, 523684	Component Connector
Twin Leaf Series, 530223	Component Connector
530241-1	Connectors
Twin Leaf Series, 530265	Component Connector
Twin Leaf Series, 530268	Component Connector
Twin Leaf Series, 530278	Component Connector
Twin Leaf Series, 530291	Component Connector
Twin Leaf Series, 531553	Component Connector
Twin Leaf Series, 531554	Component Connector
Twin Leaf Series, 531555	Component Connector
Twin Leaf Series, 531623-1	Component Connector
Twin Leaf Series, 531623-2	Component Connector
Twin Leaf Series, 531623-3	Component Connector

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2142079-2
Report Reference E28476-19731123
Date 13-Apr-2023

Twin Leaf Series, 531623-4	Component Connector
Twin Leaf Series, 531623-5	Component Connector
Twin Leaf Series, 532265	Component Connector
Twin Leaf Series, 532700	Component Connector
Twin Leaf Series, 583652	Component Connector
Twin Leaf Series, 583672	Component Connector
583717-1	Connectors
583717-3	Connectors
583717-5	Connectors
583717-7	Connectors
583717-9	Connectors
583718-1	Connectors
583718-3	Connectors
583718-9	Connectors
583859-1	Connectors
583859-5	Connectors
583859-7	Connectors
583859-9	Connectors
583861-1	Connectors
583861-3	Connectors
583861-5	Connectors
583861-7	Connectors
583861-9	Connectors
Twin Leaf Series, 583864-1	Component Connector
Twin Leaf Series, 583864-2	Component Connector
Twin Leaf Series, 583864-3	Component Connector
Twin Leaf Series, 583864-4	Component Connector
Twin Leaf Series, 583864-5	Component Connector
Twin Leaf Series, 583864-6	Component Connector
Twin Leaf Series, 583864-7	Component Connector
583873-1	Connectors
583873-5	Connectors
583873-9	Connectors
Twin Leaf Series, 583877	Component Connector
Twin Leaf Series, 583900	Component Connector
Twin Leaf Series, 645155-1	Component Connector
Twin Leaf Series, 645155-2	Component Connector
Twin Leaf Series, 645163	Component Connector
Twin Leaf Series, 645208	Component Connector
Twin Leaf Series, 645255	Component Connector
Twin Leaf Series, 645275	Component Connector
Twin Leaf Series, 645308	Component Connector

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2135316-0
Report Reference E28476-19731123
Date 13-Apr-2023

Issued to: TYCO Electronics Corp
2901 Fulling Mill Rd Middletown, PA 17057
United States

**This is to certify that
representative samples of**

ECBT8 - Connectors for Use in Data, Signal, Control and
Power Applications Certified for Canada - Component
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the
component requirements in the Standard(s) indicated on
this Certificate. UL Recognized components are incomplete
in certain constructional features or restricted in
performance capabilities and are intended for installation in
complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: CSA C22.2 No. 182.3 - Special Use Attachment Plugs,
Receptacles and Connectors

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

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Look for the UL Recognized Component Mark on the product.

Deborah Jennings-Conner

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2135316-0
Report Reference E28476-19731123
Date 13-Apr-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
Twin Leaf Series, 1-1489049-0	Component Connector
Twin Leaf Series, 1-1489049-1	Component Connector
Twin Leaf Series, 1364922-1	Component Connector
Twin Leaf Series, 1364922-2	Component Connector
Twin Leaf Series, 1364923-1	Component Connector
Twin Leaf Series, 1364923-2	Component Connector
Twin Leaf Series, 1364947-1	Component Connector
Twin Leaf Series, 1364947-2	Component Connector
Twin Leaf Series, 1364947-3	Component Connector
Twin Leaf Series, 1364947-4	Component Connector
Twin Leaf Series, 1364947-5	Component Connector
Twin Leaf Series, 1364947-6	Component Connector
Twin Leaf Series, 1364947-7	Component Connector
Twin Leaf Series, 147351	Component Connector
Twin Leaf Series, 147354	Component Connector
Twin Leaf Series, 147431-1	Component Connector
Twin Leaf Series, 147431-2	Component Connector
Twin Leaf Series, 147439	Component Connector
Twin Leaf Series, 1489049-1	Component Connector
Twin Leaf Series, 1489049-2	Component Connector
Twin Leaf Series, 1489049-3	Component Connector
Twin Leaf Series, 1489049-4	Component Connector
Twin Leaf Series, 1489049-5	Component Connector
Twin Leaf Series, 1489049-6	Component Connector
Twin Leaf Series, 1489049-7	Component Connector
Twin Leaf Series, 1489049-8	Component Connector
Twin Leaf Series, 1489049-9	Component Connector
Twin Leaf Series, 170156-1	Component Connector
Twin Leaf Series, 170156-2	Component Connector
Twin Leaf Series, 170156-3	Component Connector
Twin Leaf Series, 170156-4	Component Connector
Twin Leaf Series, 170156-5	Component Connector
Twin Leaf Series, 170158-2	Component Connector
Twin Leaf Series, 170158-3	Component Connector
Twin Leaf Series, 170158-4	Component Connector
Twin Leaf Series, 170158-5	Component Connector
Twin Leaf Series, 170160-1	Component Connector
Twin Leaf Series, 170160-2	Component Connector
Twin Leaf Series, 170160-3	Component Connector


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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2135316-0
Report Reference E28476-19731123
Date 13-Apr-2023

Twin Leaf Series, 170160-4	Component Connector
Twin Leaf Series, 170160-5	Component Connector
Twin Leaf Series, 174842	Component Connector
Twin Leaf Series, 174843	Component Connector
Twin Leaf Series, 523684	Component Connector
Twin Leaf Series, 530223	Component Connector
Twin Leaf Series, 530265	Component Connector
Twin Leaf Series, 530268	Component Connector
Twin Leaf Series, 530278	Component Connector
Twin Leaf Series, 530291	Component Connector
Twin Leaf Series, 531553	Component Connector
Twin Leaf Series, 531554	Component Connector
Twin Leaf Series, 531555	Component Connector
Twin Leaf Series, 531623-1	Component Connector
Twin Leaf Series, 531623-2	Component Connector
Twin Leaf Series, 531623-3	Component Connector
Twin Leaf Series, 531623-4	Component Connector
Twin Leaf Series, 531623-5	Component Connector
Twin Leaf Series, 532265	Component Connector
Twin Leaf Series, 532700	Component Connector
Twin Leaf Series, 583652	Component Connector
Twin Leaf Series, 583672	Component Connector
Twin Leaf Series, 583864-1	Component Connector
Twin Leaf Series, 583864-2	Component Connector
Twin Leaf Series, 583864-3	Component Connector
Twin Leaf Series, 583864-4	Component Connector
Twin Leaf Series, 583864-5	Component Connector
Twin Leaf Series, 583864-6	Component Connector
Twin Leaf Series, 583864-7	Component Connector
Twin Leaf Series, 583877	Component Connector
Twin Leaf Series, 583900	Component Connector
Twin Leaf Series, 645155-1	Component Connector
Twin Leaf Series, 645155-2	Component Connector
Twin Leaf Series, 645163	Component Connector
Twin Leaf Series, 645208	Component Connector
Twin Leaf Series, 645255	Component Connector
Twin Leaf Series, 645275	Component Connector
Twin Leaf Series, 645308	Component Connector


Deborah Jennings-Conner, VP Regulatory Services



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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2142076-4
Report Reference E28476-19731123
Date 13-Apr-2023

Issued to: TYCO Electronics Corp
2901 Fulling Mill Rd Middletown, PA 17057
United States

**This is to certify that
representative samples of**

ECBT2 - Connectors for Use in Data, Signal, Control and
Power Applications - Component

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the
component requirements in the Standard(s) indicated on
this Certificate. UL Recognized components are incomplete
in certain constructional features or restricted in
performance capabilities and are intended for installation in
complete equipment submitted for investigation to UL LLC.


Standard(s) for Safety: UL 1977, Edition 4, Issue Date 2022-12-07

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

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Look for the UL Recognized Component Mark on the product.


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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2142076-4
Report Reference E28476-19731123
Date 13-Apr-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
Twin Leaf Series, 1-1489049-0	Component Connector
Twin Leaf Series, 1-1489049-1	Component Connector
1-583717-1	Connectors
1-583717-3	Connectors
1-583717-5	Connectors
1-583717-9	Connectors
1-583718-1	Connectors
1-583718-3	Connectors
1-583718-5	Connectors
1-583718-7	Connectors
1-583859-3	Connectors
1-583859-5	Connectors
1-583861-1	Connectors
1-583861-7	Connectors
1-583861-9	Connectors
1-583873-9	Connectors
Twin Leaf Series, 1364922-1	Component Connector
Twin Leaf Series, 1364922-2	Component Connector
Twin Leaf Series, 1364923-1	Component Connector
Twin Leaf Series, 1364923-2	Component Connector
Twin Leaf Series, 1364947-1	Component Connector
Twin Leaf Series, 1364947-2	Component Connector
Twin Leaf Series, 1364947-3	Component Connector
Twin Leaf Series, 1364947-4	Component Connector
Twin Leaf Series, 1364947-5	Component Connector
Twin Leaf Series, 1364947-6	Component Connector
Twin Leaf Series, 1364947-7	Component Connector
Twin Leaf Series, 147351	Component Connector
Twin Leaf Series, 147354	Component Connector
Twin Leaf Series, 147431-1	Component Connector
Twin Leaf Series, 147431-2	Component Connector
Twin Leaf Series, 147439	Component Connector
Twin Leaf Series, 1489049-1	Component Connector
Twin Leaf Series, 1489049-2	Component Connector
Twin Leaf Series, 1489049-3	Component Connector
Twin Leaf Series, 1489049-4	Component Connector
Twin Leaf Series, 1489049-5	Component Connector
Twin Leaf Series, 1489049-6	Component Connector
Twin Leaf Series, 1489049-7	Component Connector

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2142076-4
 Report Reference E28476-19731123
 Date 13-Apr-2023

Twin Leaf Series, 1489049-8	Component Connector
Twin Leaf Series, 1489049-9	Component Connector
Twin Leaf Series, 170156-1	Component Connector
Twin Leaf Series, 170156-2	Component Connector
Twin Leaf Series, 170156-3	Component Connector
Twin Leaf Series, 170156-4	Component Connector
Twin Leaf Series, 170156-5	Component Connector
Twin Leaf Series, 170158-2	Component Connector
Twin Leaf Series, 170158-3	Component Connector
Twin Leaf Series, 170158-4	Component Connector
Twin Leaf Series, 170158-5	Component Connector
Twin Leaf Series, 170160-1	Component Connector
Twin Leaf Series, 170160-2	Component Connector
Twin Leaf Series, 170160-3	Component Connector
Twin Leaf Series, 170160-4	Component Connector
Twin Leaf Series, 170160-5	Component Connector
Twin Leaf Series, 174842	Component Connector
Twin Leaf Series, 174843	Component Connector
2-583717-1	Connectors
2-583717-3	Connectors
2-583717-7	Connectors
2-583718-7	Connectors
2-583859-1	Connectors
2-583859-3	Connectors
2-583861-1	Connectors
2-583861-5	Connectors
2-583861-9	Connectors
3-583717-1	Connectors
3-583717-3	Connectors
3-583717-9	Connectors
4-583717-2	Connectors
4-583717-3	Connectors
Twin Leaf Series, 523684	Component Connector
Twin Leaf Series, 530223	Component Connector
530241-1	Connectors
Twin Leaf Series, 530265	Component Connector
Twin Leaf Series, 530268	Component Connector
Twin Leaf Series, 530278	Component Connector
Twin Leaf Series, 530291	Component Connector
Twin Leaf Series, 531553	Component Connector
Twin Leaf Series, 531554	Component Connector
Twin Leaf Series, 531555	Component Connector
Twin Leaf Series, 531623-1	Component Connector
Twin Leaf Series, 531623-2	Component Connector
Twin Leaf Series, 531623-3	Component Connector

Deborah Jennings-Conner
 Deborah Jennings-Conner, VP Regulatory Services



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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2142076-4
Report Reference E28476-19731123
Date 13-Apr-2023

Twin Leaf Series, 531623-4	Component Connector
Twin Leaf Series, 531623-5	Component Connector
Twin Leaf Series, 532265	Component Connector
Twin Leaf Series, 532700	Component Connector
Twin Leaf Series, 583652	Component Connector
Twin Leaf Series, 583672	Component Connector
583717-1	Connectors
583717-3	Connectors
583717-5	Connectors
583717-7	Connectors
583717-9	Connectors
583718-1	Connectors
583718-3	Connectors
583718-9	Connectors
583859-1	Connectors
583859-5	Connectors
583859-7	Connectors
583859-9	Connectors
583861-1	Connectors
583861-3	Connectors
583861-5	Connectors
583861-7	Connectors
583861-9	Connectors
Twin Leaf Series, 583864-1	Component Connector
Twin Leaf Series, 583864-2	Component Connector
Twin Leaf Series, 583864-3	Component Connector
Twin Leaf Series, 583864-4	Component Connector
Twin Leaf Series, 583864-5	Component Connector
Twin Leaf Series, 583864-6	Component Connector
Twin Leaf Series, 583864-7	Component Connector
583873-1	Connectors
583873-5	Connectors
583873-9	Connectors
Twin Leaf Series, 583877	Component Connector
Twin Leaf Series, 583900	Component Connector
Twin Leaf Series, 645155-1	Component Connector
Twin Leaf Series, 645155-2	Component Connector
Twin Leaf Series, 645163	Component Connector
Twin Leaf Series, 645208	Component Connector
Twin Leaf Series, 645255	Component Connector
Twin Leaf Series, 645275	Component Connector
Twin Leaf Series, 645308	Component Connector

Deborah Jennings-Conner

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2142077-2
Report Reference E28476-19731123
Date 13-Apr-2023

Issued to: TYCO Electronics Corp
2901 Fulling Mill Rd Middletown, PA 17057
United States

**This is to certify that
representative samples of**

ECBT2 - Connectors for Use in Data, Signal, Control and
Power Applications - Component

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the
component requirements in the Standard(s) indicated on
this Certificate. UL Recognized components are incomplete
in certain constructional features or restricted in
performance capabilities and are intended for installation in
complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: UL 1977, Edition 4, Issue Date 2022-12-07

Additional Information: See the UL Online Certifications Directory at
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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2142077-2
Report Reference E28476-19731123
Date 13-Apr-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
Twin Leaf Series, 1-1489049-0	Component Connector
Twin Leaf Series, 1-1489049-1	Component Connector
1-583717-1	Connectors
1-583717-3	Connectors
1-583717-5	Connectors
1-583717-9	Connectors
1-583718-1	Connectors
1-583718-3	Connectors
1-583718-5	Connectors
1-583718-7	Connectors
1-583859-3	Connectors
1-583859-5	Connectors
1-583861-1	Connectors
1-583861-7	Connectors
1-583861-9	Connectors
1-583873-9	Connectors
Twin Leaf Series, 1364922-1	Component Connector
Twin Leaf Series, 1364922-2	Component Connector
Twin Leaf Series, 1364923-1	Component Connector
Twin Leaf Series, 1364923-2	Component Connector
Twin Leaf Series, 1364947-1	Component Connector
Twin Leaf Series, 1364947-2	Component Connector
Twin Leaf Series, 1364947-3	Component Connector
Twin Leaf Series, 1364947-4	Component Connector
Twin Leaf Series, 1364947-5	Component Connector
Twin Leaf Series, 1364947-6	Component Connector
Twin Leaf Series, 1364947-7	Component Connector
Twin Leaf Series, 147351	Component Connector
Twin Leaf Series, 147354	Component Connector
Twin Leaf Series, 147431-1	Component Connector
Twin Leaf Series, 147431-2	Component Connector
Twin Leaf Series, 147439	Component Connector
Twin Leaf Series, 1489049-1	Component Connector
Twin Leaf Series, 1489049-2	Component Connector
Twin Leaf Series, 1489049-3	Component Connector
Twin Leaf Series, 1489049-4	Component Connector
Twin Leaf Series, 1489049-5	Component Connector
Twin Leaf Series, 1489049-6	Component Connector
Twin Leaf Series, 1489049-7	Component Connector

Deborah Jennings-Conner

Deborah Jennings-Conner, VP Regulatory Services

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Twin Leaf Series, 1489049-8	Component Connector
Twin Leaf Series, 1489049-9	Component Connector
Twin Leaf Series, 170156-1	Component Connector
Twin Leaf Series, 170156-2	Component Connector
Twin Leaf Series, 170156-3	Component Connector
Twin Leaf Series, 170156-4	Component Connector
Twin Leaf Series, 170156-5	Component Connector
Twin Leaf Series, 170158-2	Component Connector
Twin Leaf Series, 170158-3	Component Connector
Twin Leaf Series, 170158-4	Component Connector
Twin Leaf Series, 170158-5	Component Connector
Twin Leaf Series, 170160-1	Component Connector
Twin Leaf Series, 170160-2	Component Connector
Twin Leaf Series, 170160-3	Component Connector
Twin Leaf Series, 170160-4	Component Connector
Twin Leaf Series, 170160-5	Component Connector
Twin Leaf Series, 174842	Component Connector
Twin Leaf Series, 174843	Component Connector
2-583717-1	Connectors
2-583717-3	Connectors
2-583717-7	Connectors
2-583718-7	Connectors
2-583859-1	Connectors
2-583859-3	Connectors
2-583861-1	Connectors
2-583861-5	Connectors
2-583861-9	Connectors
3-583717-1	Connectors
3-583717-3	Connectors
3-583717-9	Connectors
4-583717-2	Connectors
4-583717-3	Connectors
Twin Leaf Series, 523684	Component Connector
Twin Leaf Series, 530223	Component Connector
530241-1	Connectors
Twin Leaf Series, 530265	Component Connector
Twin Leaf Series, 530268	Component Connector
Twin Leaf Series, 530278	Component Connector
Twin Leaf Series, 530291	Component Connector
Twin Leaf Series, 531553	Component Connector
Twin Leaf Series, 531554	Component Connector
Twin Leaf Series, 531555	Component Connector
Twin Leaf Series, 531623-1	Component Connector
Twin Leaf Series, 531623-2	Component Connector
Twin Leaf Series, 531623-3	Component Connector

Deborah Jennings-Conner
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Twin Leaf Series, 531623-4	Component Connector
Twin Leaf Series, 531623-5	Component Connector
Twin Leaf Series, 532265	Component Connector
Twin Leaf Series, 532700	Component Connector
Twin Leaf Series, 583652	Component Connector
Twin Leaf Series, 583672	Component Connector
583717-1	Connectors
583717-3	Connectors
583717-5	Connectors
583717-7	Connectors
583717-9	Connectors
583718-1	Connectors
583718-3	Connectors
583718-9	Connectors
583859-1	Connectors
583859-5	Connectors
583859-7	Connectors
583859-9	Connectors
583861-1	Connectors
583861-3	Connectors
583861-5	Connectors
583861-7	Connectors
583861-9	Connectors
Twin Leaf Series, 583864-1	Component Connector
Twin Leaf Series, 583864-2	Component Connector
Twin Leaf Series, 583864-3	Component Connector
Twin Leaf Series, 583864-4	Component Connector
Twin Leaf Series, 583864-5	Component Connector
Twin Leaf Series, 583864-6	Component Connector
Twin Leaf Series, 583864-7	Component Connector
583873-1	Connectors
583873-5	Connectors
583873-9	Connectors
Twin Leaf Series, 583877	Component Connector
Twin Leaf Series, 583900	Component Connector
Twin Leaf Series, 645155-1	Component Connector
Twin Leaf Series, 645155-2	Component Connector
Twin Leaf Series, 645163	Component Connector
Twin Leaf Series, 645208	Component Connector
Twin Leaf Series, 645255	Component Connector
Twin Leaf Series, 645275	Component Connector
Twin Leaf Series, 645308	Component Connector

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