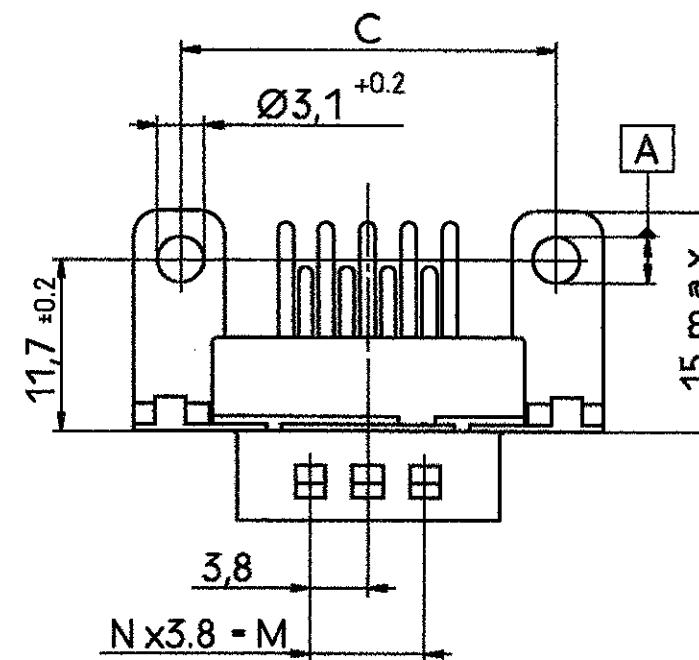
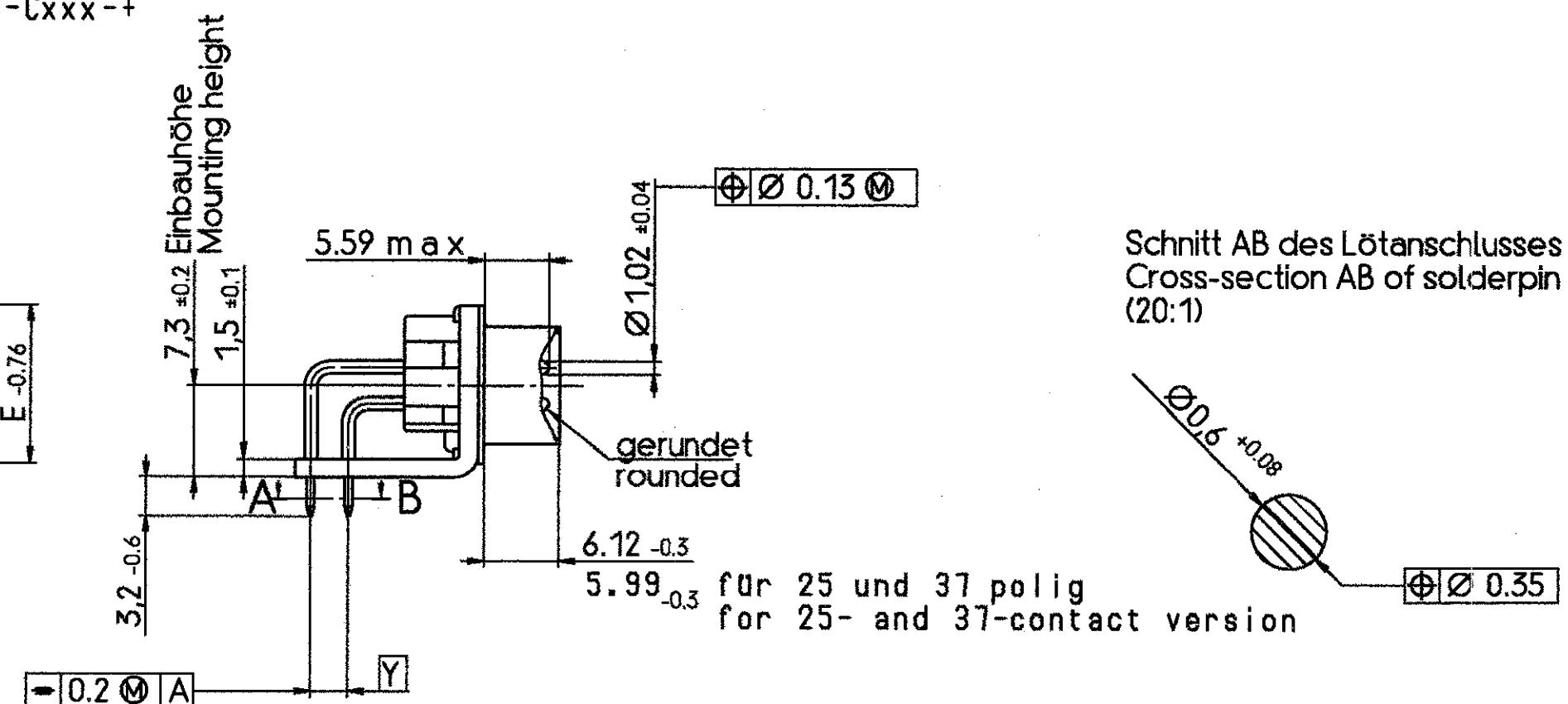
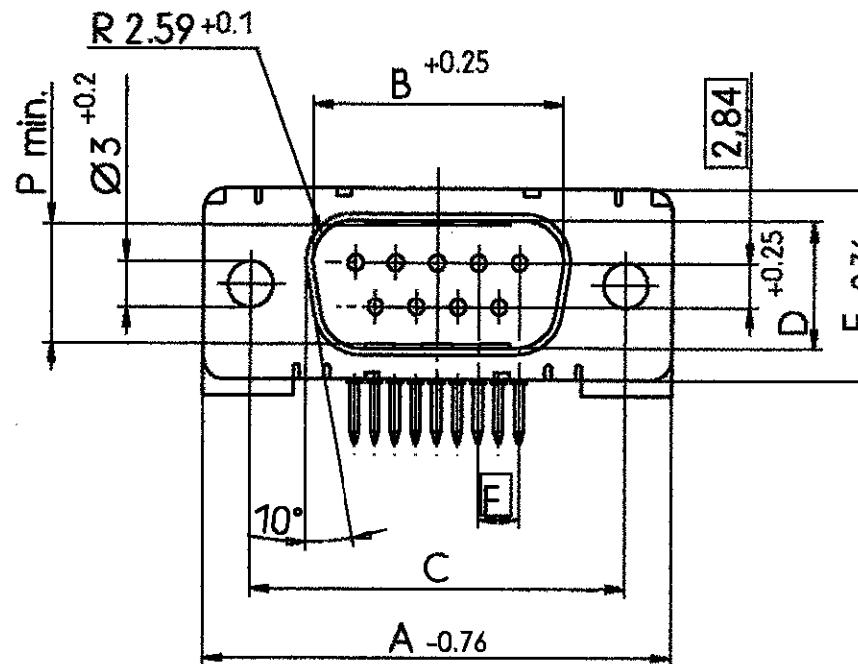


Standardausführung: V23529-A<sub>1</sub><sup>1</sup>1x1-Cxxx-+  
Standardversion



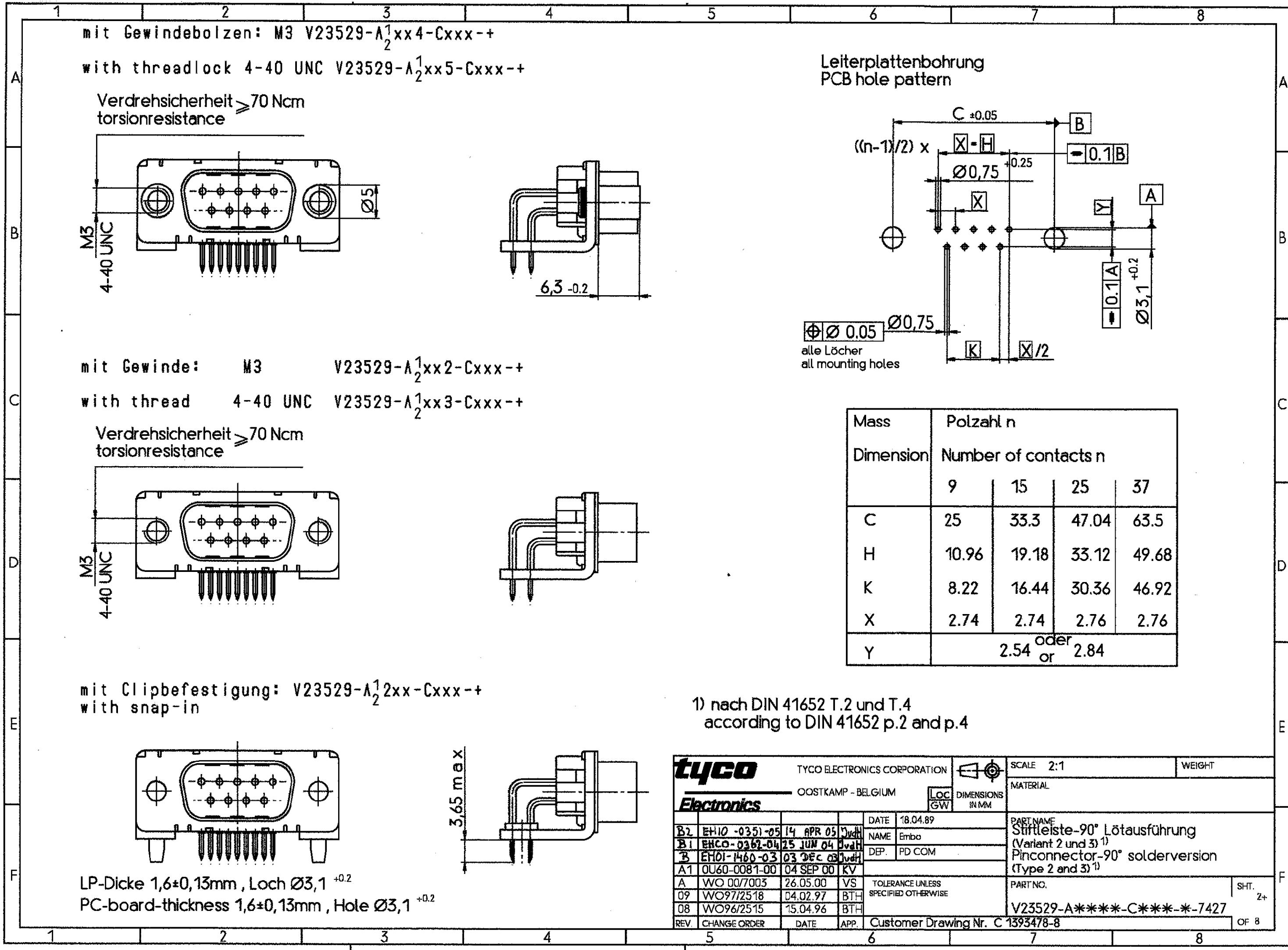
Ordercode Sachnr V23529-Axxxx	Contacts Polzahl	Mass/Dimension								
		A	B	C	D	E	F	M	N	P
..-Cx09-+	09	31.19	16.79	25.0 +0.12 -0.13	8.23	12.93	2.74	7.6	2	7.72
..-Cx15-+	15	39.52	25.12	33.3 +0.15 -0.1			2.74	15.2	4	7.69
..-Cx25-+	25	53.42	38.84	47.04 +0.13 -0.13			2.76	26.6	7	7.65
..-Cx37-+	37	69.7	55.30	63.5 +0.13 -0.13			2.76	41.8	11	7.65

Anforderungsstufe/Performance level<sup>1)</sup>

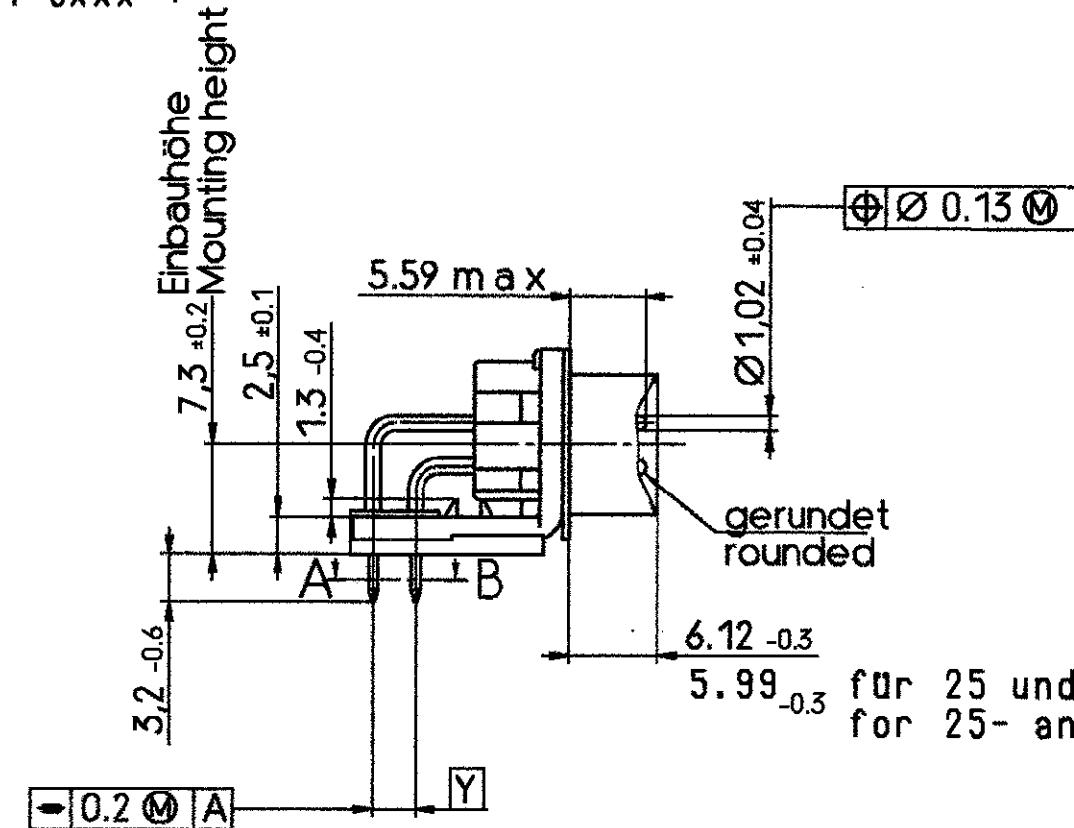
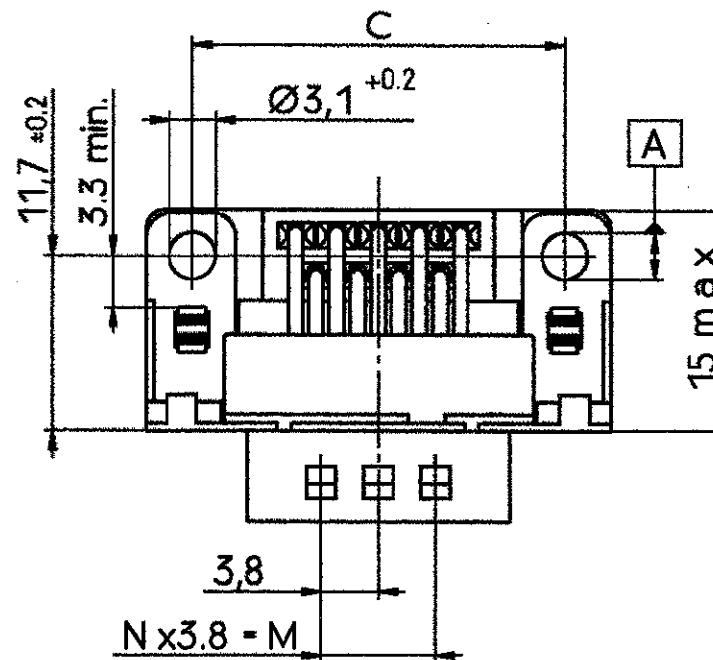
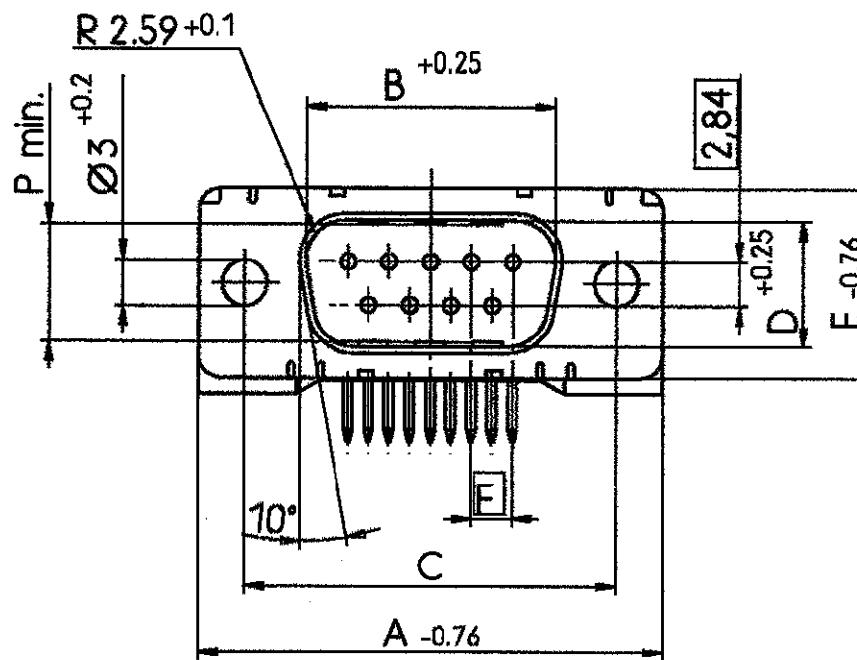
Sachnr/Ordernr V23529-	Y
Axx1x-Cxxx-+	2.84
Axx2x-Cxxx-+	2.54

<b>tyco</b> <b>Electronics</b> OOSTKAMP - BELGIUM		LOC GW	SCALE 2:1 (20:1)	WEIGHT	
			DIMENSIONS IN MM		
B2	EH10-0351-0514 APR 05 JwdH		DATE 18.04.89	PART NAME Stiftleiste-90° Lötausführung (Variant 2 und 3) <sup>1)</sup> Pinconnector-90° solderversion (Type 2 and 3) <sup>1)</sup>	
BJ	EHCO-0362-0425 JUN 04 JwdH		NAME Embo		
B	EH01-1460-0303 DEC 03 JwdH		DEP. PD COM		
A1	0U60-0081-0004 SEP 00 KV				
A	WO 00/7003 26.05.00 VS		TOLERANCE UNLESS SPECIFIED OTHERWISE		
D9	W097/2518 04.02.97 BTH		PART NO. V23529-A*****-C*****-7427		
08	W096/2515 15.04.96 BTH				
REV.	CHANGE ORDER	DATE	APP.	OF 8	
Customer Drawing Nr. C 1393478-8					

1) nach DIN 41652 T.2 und T.4  
according to DIN 41652 p.2 and p.4



Standardausführung isoliert: V23529-A<sub>4</sub><sup>3</sup>1x1-Cxxx-+  
Standardversion insulated



Schnitt AB des Lötanschlusses  
Cross-section AB of solderpin  
(20:1)

Ordercode Sachnr V23529-Axxxx	Contacts	Mass/Dimension									
		Polzahl	A	B	C	D	E	F	M	N	P
..-Cx09-+	09	31.19	16.79	25.0 +0.12 -0.13	8.23	12.93	2.74	7.6	2	7.72	
..-Cx15-+	15	39.52	25.12	33.3 +0.15 -0.1			2.74	15.2	4	7.69	
..-Cx25-+	25	53.42	38.84	47.04 +0.13 -0.13			2.76	26.6	7	7.65	
..-Cx37-+	37	69.7	55.30	63.5 +0.13 -0.13			2.76	41.8	11	7.65	

Anforderungsstufe/Performance level<sup>1)</sup>

Sachnr/Ordernr V23529-	Y
Axx1x-Cxxx-+	2.84
Axx2x-Cxxx-+	2.54

<b>tyco</b>		TYCO ELECTRONICS CORPORATION	SCALE 2:1 (20:1)	WEIGHT
<b>Electronics</b>		OOSTKAMP - BELGIUM	LOC GW	MATERIAL
			DIMENSIONS IN MM	
B2	EH10-0531-05	14 APR 05	JW/H	DATE 18.04.89
B1	EXC0-0362-04	25 JUN 04	JW/H	NAME Embo
3	EH01-1460-03	03 DEC 03	JW/H	DEP. PD COM
A1	0U60-0081-00	04 SEP 00	KV	
A	WO 00/7003	26.05.00	VS	TOLERANCE UNLESS SPECIFIED OTHERWISE
09	WO97/2518	04.02.97	BTH	
08	WO96/2515	15.04.96	BTH	
REV.	CHANGE ORDER	DATE	APP.	PART NO. V23529-A*****-C*****-7427
				SHT. 3+
				Customer Drawing Nr. C 1393478-8
				OF 8

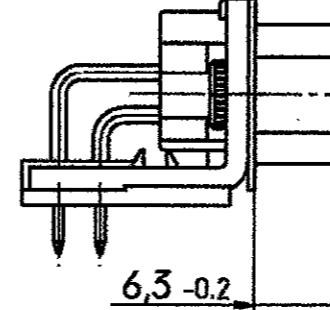
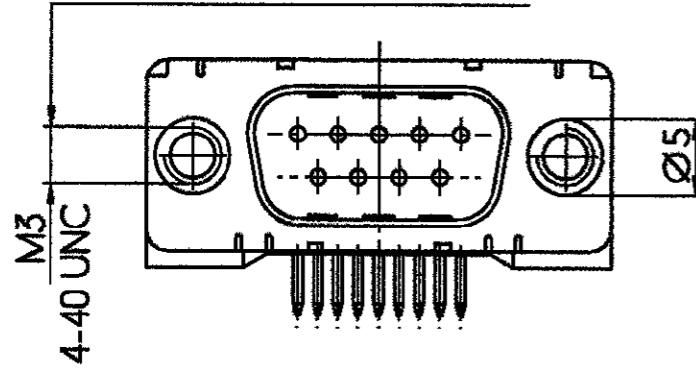
1) nach DIN 41652 T.2 und T.4  
according to DIN 41652 p.2 and p.4

1 2 3 4 5 6 7 8

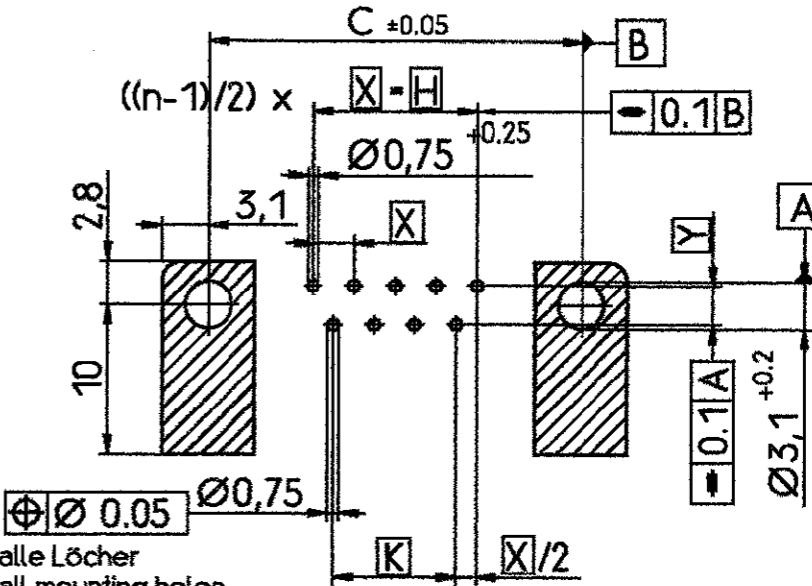
mit Gewindestöpseln : M3 V23529-A<sup>3</sup><sub>4</sub>xx4-Cxxx-+

with threadlock 4-40 UNC V23529-A<sup>3</sup><sub>4</sub>xx5-Cxxx-+

Verdreh Sicherheit > 70 Ncm  
torsion resistance



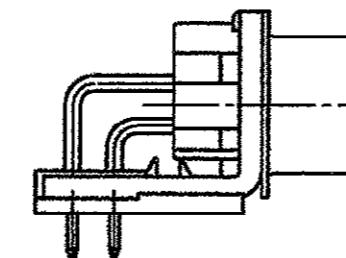
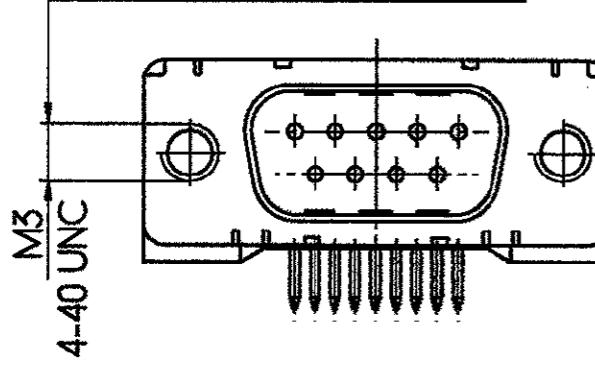
A  
Leiterplattenbohrung  
PCB hole pattern



mit Gewinde: M3 V23529-A<sup>3</sup><sub>4</sub>xx2-Cxxx-+

with thread 4-40 UNC V23529-A<sup>3</sup><sub>4</sub>xx3-Cxxx-+

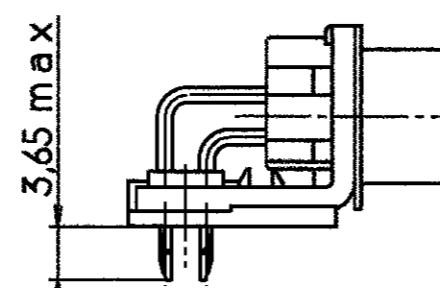
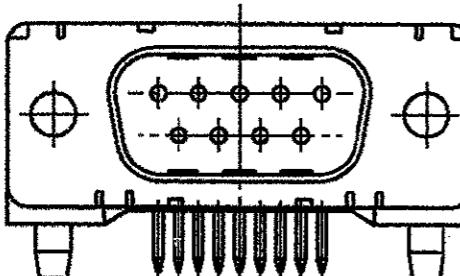
Verdreh Sicherheit > 70 Ncm  
torsion resistance



Mass Dimension	Potzahl n			
	9	15	25	37
C	25	33.3	47.04	63.5
H	10.96	19.18	33.12	49.68
K	8.22	16.44	30.36	46.92
X	2.74	2.74	2.76	2.76
Y	2.54 oder 2.84 or			

mit Clipbefestigung: V23529-A<sup>3</sup><sub>2</sub>xx-Cxxx-+

with snap-in



1) nach DIN 41652 T.2 und T.4  
according to DIN 41652 p.2 and p.4

tyco		TYCO ELECTRONICS CORPORATION	LOC GW	DIMENSIONS IN MM	SCALE 2:1	WEIGHT
Electronics		OOSTKAMP - BELGIUM				
B2	EH10-0531-05	14 APR 05	JvdH	DATE 18.04.89	PART NAME Stiftleiste-90° Lötausführung (Variant 2 und 3) <sup>1)</sup>	
B1	EH00-0362-04	25 JUN 04	JvdH	NAME Emba	Pinconnector-90° solderversion	
B	EH01-1460-03	03 DEC 03	JvdH	DEP. PD COM	(Type 2 and 3) <sup>1)</sup>	
A1	0U60-0081-00	04 SEP 00	KV			
A	WO 00/7003	26.05.00	VS	TOLERANCE UNLESS SPECIFIED OTHERWISE	PART NO.	
09	WO97/2518	04.02.97	BTH		V23529-A*****-C*****-7427	SHT. 4+
08	WO96/2515	15.04.96	BTH			OF 8
REV.	CHANGE ORDER	DATE	APP.	Customer Drawing Nr. C 1393478-8		

Standardausführung ohne Winkel: V23529-A50x1-Cxxx-+  
Standardversion without bracket

A

1

1

1

1

1

5

1

1

四

Technical drawing of a component with the following dimensions:

- Width:  $A = -0.76$
- Height:  $B = +0.25$
- Bottom width:  $C = -0.76$
- Bottom height:  $D = 2.84$
- Bottom width:  $E = -0.76$
- Bottom height:  $F = +0.25$
- Left side height:  $\varnothing 3^{+0.2}$

A cross-sectional diagram of a microfluidic device. It features a central rectangular channel with a height of 2.8 max indicated by a vertical line. Above the channel, there are several vertical structures, likely electrodes or pillars, with a height of 2.8 min indicated by a shorter vertical line. The entire structure is shown in perspective, with a scale bar at the bottom right.

Technical drawing showing a component with the following dimensions and labels:

- Oberkante LP upper side PCB: 3.2 -0.6
- Einbauhöhe Mounting height: 7.3 ±0.2
- 5.59 m a x: 5.59
- gerund rounde: 6.12 -0.3
- 5.99 -0.5: 5.99
- 11.7 ±0.2: 11.7
- Y: A small square symbol at the bottom right.
- Point A: A point on the left side of the component.
- Point B: A point on the right side of the component.

Schnitt AB des Lötanschlusses  
Cross-section AB of solderpin  
(20:1)

Ordercode Sachnr V23529-Axxxx	Contacts	Mass/Dimension									P
		Polzahl	A	B	C	D	E	F	G	H	
..-Cx09-+	09	31.19	16.79	25.0 <sup>+0.12</sup> <sub>-0.13</sub>	8.23	12.93	2.74				7.72
..-Cx15-+	15	39.52	25.12	33.3 <sup>+0.15</sup> <sub>-0.1</sub>			2.74				7.69
..-Cx25-+	25	53.42	38.84	47.04 <sup>+0.13</sup> <sub>-0.13</sub>			2.76				7.65
..-Cx37-+	37	69.7	55.30	63.5 <sup>+0.13</sup> <sub>-0.13</sub>			2.76				7.65

### Anforderungsstufe/Performance level

Sachnr/Ordernr V23529-	Y
A501x-Cxxx-+	2.84
A502x-Cxxx-+	2.54

TYCO ELECTRONICS CORPORATION						SCALE 2:1 (20:1)	WEIGHT	
OOSTKAMP - BELGIUM						Loc GW	DIMENSIONS IN MM	MATERIAL
<b>Electronics</b>								
B2	EH10-0531-05	14 APR 05	JvdH	DATE	18.04.89	<b>PART NAME</b> <b>Stiftleiste-90° Lötausführung</b> <b>(Variant 2 und 3)<sup>1)</sup></b> <b>Pinconnector-90° solderversion</b> <b>(Type 2 and 3)<sup>1)</sup></b>		
B1	EHCO-0361-04	25 JUN 04	JvdH	NAME	Embo			
B	EH01-1460-03	03 DEC 03	JvdH	DEP.	PD COM			
A1	0U60-0081-00	04 SEP 00	KV			<b>PART NO.</b> <b>V23529-A*****-C****-7427</b>		
A	WO 00/7005	26.05.00	VS	<b>TOLERANCE UNLESS SPECIFIED OTHERWISE</b>				SHT.
09	WO97/2518	04.02.97	BTH					5+
08	WO96/2515	15.04.96	BTH					
REV.	CHANGE ORDER	DATE	APP.	Customer Drawing Nr. C 1393478-8				
				OF 8				

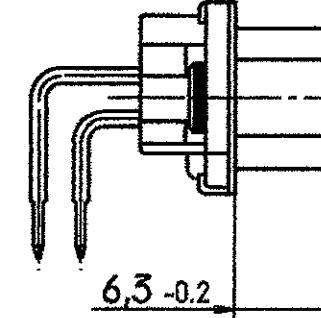
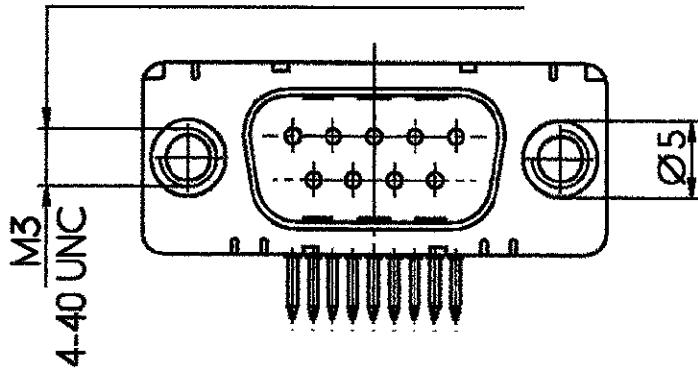
1) nach DIN 41652 T.2 und T.4  
according to DIN 41652 p.2 and p.4

1 2 3 4 5 6 7 8

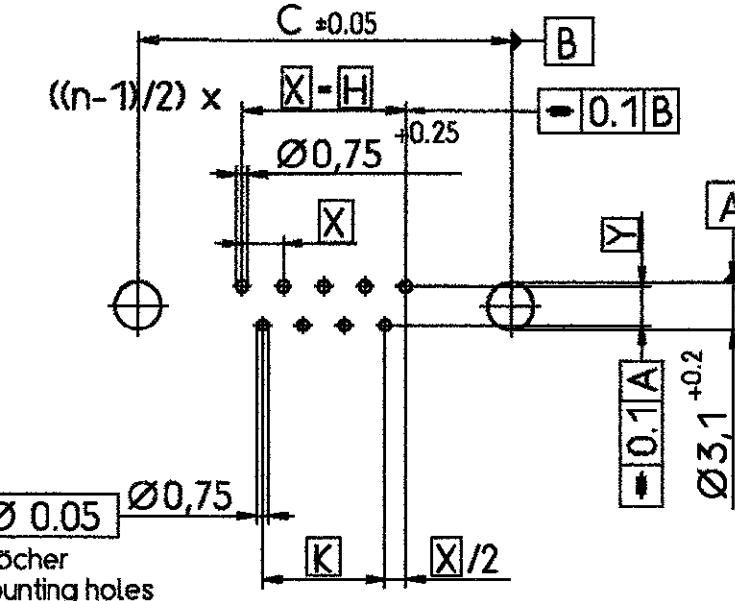
mit Gewindestöcken: M3 V23529-A50x4-Cxxx-+

with threadlock 4-40 UNC V23529-A50x5-Cxxx-+

Verdreh Sicherheit > 70 Ncm  
torsion resistance



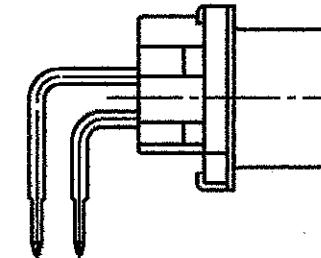
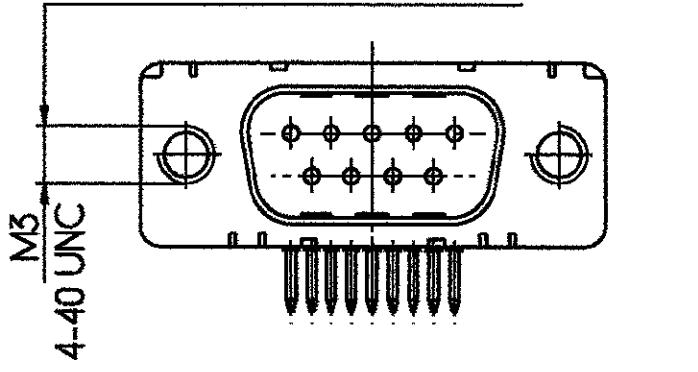
Leiterplattenbohrung  
PCB hole pattern



mit Gewinde: M3 V23529-A50x2-Cxxx-+

with thread 4-40 UNC V23529-A50x3-Cxxx-+

Verdreh Sicherheit > 70 Ncm  
torsion resistance



Mass Dimension	Polzahl n	Number of contacts n			
		9	15	25	37
C	25	33.3	47.04	63.5	
H	10.96	19.18	33.12	49.68	
K	8.22	16.44	30.36	46.92	
X	2.74	2.74	2.76	2.76	
Y	2.54 oder or 2.84				

1) nach DIN 41652 T.2 und T.4  
according to DIN 41652 p.2 and p.4

tyco		TYCO ELECTRONICS CORPORATION		LOC GW	DIMENSIONS IN MM	SCALE 2:1	WEIGHT
Electronics		OOSTKAMP - BELGIUM					
R2	EH10-0531-05	14 APR 05	JvdH	NAME	Embo	PART NAME Stiftleiste-90° Lötausführung (Variant 2 und 3) <sup>1)</sup> Pinconnector-90° solderversion (Type 2 and 3) <sup>1)</sup>	
B1	EH01-0362-04	25 JUN 04	JvdH	DEP.	PD COM		
B	EH01-1460-03	03 DEC 03	JvdH				
A1	DU60-0081-00	04 SEP 00	KV				
A	WO 00/7003	26.05.00	VS	TOLERANCE UNLESS SPECIFIED OTHERWISE			
09	WO97/2518	04.02.97	BTH			PART NO.	SHT. 6+
08	WO96/2515	15.04.96	BTH			V23529-A*****-C****-*-7427	
REV.	CHANGE ORDER	DATE	APP.	Customer Drawing Nr. C 1393478-8			
1	2	3	4	5	6	7	8

V 2 3 5 2 9 - A \* \* \* \* - C \* \* \* - +

Winkelausführung Beschriftung	// bracket type // marking
Metallwinkel mit Hersteller-Beschriftung	// metal bracket // producer marking
Metallwinkel ohne Beschriftung	// metal bracket // no marking
Metallwinkel isoliert mit Hersteller-Beschriftung	// metal bracket insulated // producer marking
Metallwinkel isoliert ohne Beschriftung	// metal bracket insulated // no marking
ohne Metallwinkel mit Hersteller-Beschriftung	// without metal bracket // producer marking

Leiterplattenbefestigung // PCB mounting	
0	ohne LP-Befestigung // none
1	Loch Ø 3 // hole Ø 3
2	mit Clip // snap-in
3	mit Gewinde M3 // thread M3

SUFFIX

-(ohne) (without)	Isolierteil grau RAL 7035 // insulation piece grey RAL 7035
S	Isolierteil schwarz RAL 9005 // insulation piece black RAL 9005
H	Isolierteil schwarz RAL 9005 // insulation piece black RAL 9005 Sonderbeschriftung H // customer marking H
T	Isolierteil schwarz // insulation piece black hochtemperaturbeständig // high temperature resistant

Polzahl // No. of contacts

09	9 polig // 9-contacts
15	15 polig // 15-contacts
25	25 polig // 25-contacts
37	37 polig // 37-contacts

Kontakteoberfläche / Anforderungsstufe // contact surface / performance level

1	Au // Au	I Güte I // PL I
2	Au // Au	II Güte II // PL II

Steckerart // connector type

C	Stiftleiste mit Schirmfiederung // pinconnector with grounding fingers
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1) nach DIN 41652 T.2 und T.4  
according to DIN 41652 p.2 and p.4

tyco		TYCO ELECTRONICS CORPORATION		SCALE	WEIGHT
		OOSTKAMP - BELGIUM	LOC		
Electronics		GW	DIMENSIONS IN MM	MATERIAL	
				DATE	18.04.89
				NAME	Embo
B2		EN10-0351-05	14 APR 05	APP.	PD COM
B1		EN10-0352-04	15 JUN 04		
B		EN10-1460-03	03 DEC 04	TOLERANCE UNLESS SPECIFIED OTHERWISE	
A1		DU60-0081-00	04 SEP 00	PART NO.	
A		W20 007/003	26.05.00	SHT. 7+	
REV.	CHANGE ORDER	DATE	APP.	Customer Drawing Nr. C 1393476-8	
1	2	3	4	5	6

Active part numbers. Contact  
Tyco Electronics for  
other configuration availability

Old Part Number	Tyco Part Number	PRIMARY	SECONDARY
V23529-A1111-C109	1393478-8		
V23529-A1111-C209	1-1393478-0		
V23529-A1111-C215	1-1393478-1		
V23529-A1111-C225	1-1393478-2		
V23529-A1111-C237	1-1393478-3		
V23529-A1113-C209	2-1393478-4		
V23529-A1115-C209	3-1393478-0		
V23529-A1115-C215	3-1393478-1		
V23529-A1115-C225	3-1393478-2		
V23529-A1115-C237	3-1393478-3		
V23529-A1121-C209	4-1393478-4		
V23529-A1121-C215	4-1393478-5		
V23529-A1121-C237	4-1393478-6		
V23529-A1122-C115	5-1393478-4		
V23529-A1122-C209	5-1393478-5		
V23529-A1122-C237	5-1393478-6		
V23529-A1123-C209	6-1393478-3		
V23529-A1123-C215	6-1393478-4		
V23529-A1123-C225	6-1393478-5		
V23529-A1123-C237	6-1393478-6		
V23529-A1124-C109	7-1393478-3		
V23529-A1125-C209	8-1393478-0		
V23529-A1125-C237	8-1393478-1		
V23529-A1215-C209	1393479-4		
V23529-A1221-C109	1-1393479-4		
V23529-A1221-C215	1-1393479-8		
V23529-A1221-C225	1-1393479-9		
V23529-A1222-C109	3-1393479-1		
V23529-A1222-C209	3-1393479-3		
V23529-A1222-C215	3-1393479-4		
V23529-A1222-C225	3-1393479-5		
V23529-A1222-C237	3-1393479-6		
V23529-A1223-C109	4-1393479-2		
V23529-A1223-C209	4-1393479-3		
V23529-A1223-C215	4-1393479-4		
V23529-A1223-C225	4-1393479-5		
V23529-A1223-C237	4-1393479-6		
V23529-A1225-C209	6-1393479-4		
V23529-A1225-C215	6-1393479-5		
V23529-A1225-C225	6-1393479-6		
V23529-A1112-C225	2-1393478-1		

Old Part Number	Tyco Part Number	PRIMARY	SECONDARY
V23529-A1225-C237	6-1393479-7		
V23529-A3113-C209	7-1393479-7	OBsolete	
V23529-A3121-C109	8-1393479-6	OBsolete	
V23529-A3121-C209	8-1393479-8	SUPERSEDED	5-338168-2
V23529-A3121-C215	8-1393479-9	SUPERSEDED	5-338169-2
V23529-A3121-C225	9-1393479-0	SUPERSEDED	5-338170-2
V23529-A3121-C237	9-1393479-1	SUPERSEDED	5-338171-2
V23529-A3122-C209	6-1393487-0		
V23529-A3122-C209	5-1393487-8	SUPERSEDED	7-338168-2
V23529-A3122-C215	5-1393487-9	SUPERSEDED	7-338169-2
V23529-A3122-C237	9-1393479-5	SUPERSEDED	7-338171-2
V23529-A3125-C109	9-1393479-8	OBsolete	
V23529-A3125-C209	1393480-1	SUPERSEDED	8-338168-2
V23529-A3125-C215	6-1393487-2	SUPERSEDED	8-338169-2
V23529-A3125-C225	6-1393487-3	SUPERSEDED	8-338170-2
V23529-A3125-C237	6-1393487-4	SUPERSEDED	8-338171-2
V23529-A3212-C209	1393480-4	OBsolete	
V23529-A3221-C209	6-1393487-9	SUPERSEDED	0-338168-2
V23529-A3221-C215	7-1393487-0	SUPERSEDED	0-338169-2
V23529-A3221-C225	7-1393487-1	SUPERSEDED	0-338170-2
V23529-A3221-C237	7-1393487-2	SUPERSEDED	0-338171-2
V23529-A3222-C209	7-1393487-7	SUPERSEDED	2-338168-2
V23529-A3222-C215	7-1393487-8	SUPERSEDED	2-338169-2
V23529-A3222-C225	7-1393487-9	SUPERSEDED	2-338170-2
V23529-A3222-C237	8-1393487-0	SUPERSEDED	2-338171-2
V23529-A3223-C209	1392010-9	SUPERSEDED	1-338168-2
V23529-A3223-C215	1-1393480-1	SUPERSEDED	1-338169-2
V23529-A3223-C225	1-1392010-0	SUPERSEDED	1-338170-2
V23529-A3223-C237	1-1392010-1	SUPERSEDED	1-338171-2
V23529-A3225-C209	1-1393480-5	SUPERSEDED	3-338168-2
V23529-A3225-C215	8-1393487-5	SUPERSEDED	3-338169-2
V23529-A3225-C225	8-1393487-6	SUPERSEDED	3-338170-2
V23529-A3225-C237	8-1393487-7	SUPERSEDED	3-338171-2
V23529-A3213-C209	1393480-8	OBsolete	
V23529-A3111-C209	7-1393479-1	OBsolete	
V23529-A3113-C209	7-1393479-7	OBsolete	
V23529-A3113-C215	7-1393479-9	OBsolete	
V23529-A3122-C225	9-1393479-4	SUPERSEDED	7-338170-2
V23529-A3125-C137	9-1393479-9	OBsolete	

1) nach DIN 41652 T.2 und T.4  
according to DIN 41652 p.2 and p.4

tyco		Tyco Electronics Corporation		SCALE	WEIGHT
Electronics		Oostkamp - Belgium			
LOC	DIMENSIONS IN MM				
		DATE 18.04.89		PART NAME	
		NAME Embo		Stiftleiste-90° Lötausführung (Variant 2 und 3) <sup>1)</sup>	
B2	EH10-0531-05	14	APR 05	JvdH	Pinconnector-90° solderversion
B1	EHCO-0362-04	25	JUN 04	JvdH	(Type 2 and 3) <sup>1)</sup>
B	EH10-1460-03	03	DEC 03	JvdH	PART NO.
A1	0U60-0081-00	04	SEP 00	KV	SHT. 8-
A	WO 00/7003	26.05.00	VS	V23529-A*****-C****-*-7427	
REV.	CHANGE ORDER	DATE	APP.	Customer Drawing Nr. C 1393478-8	
				OF 8	

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