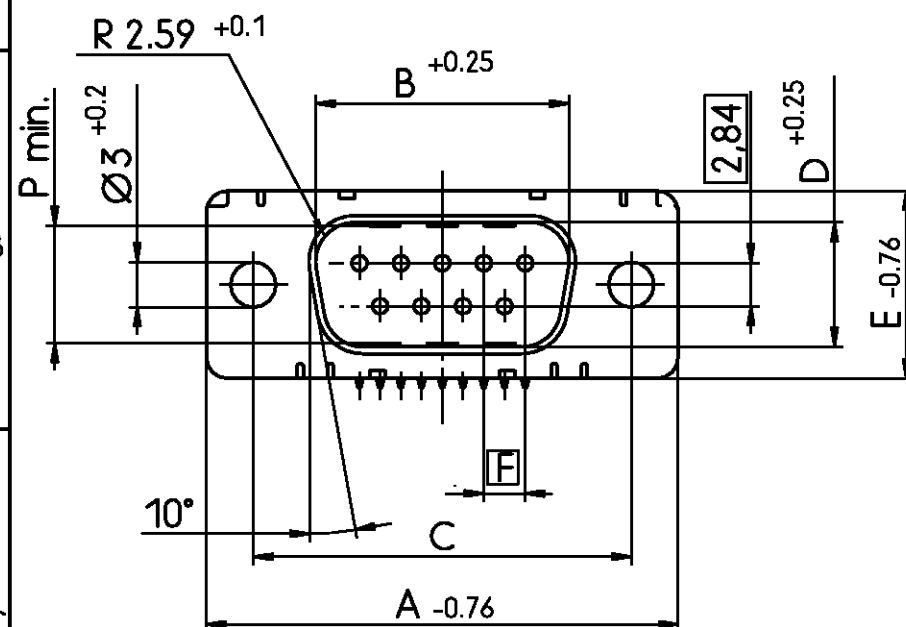
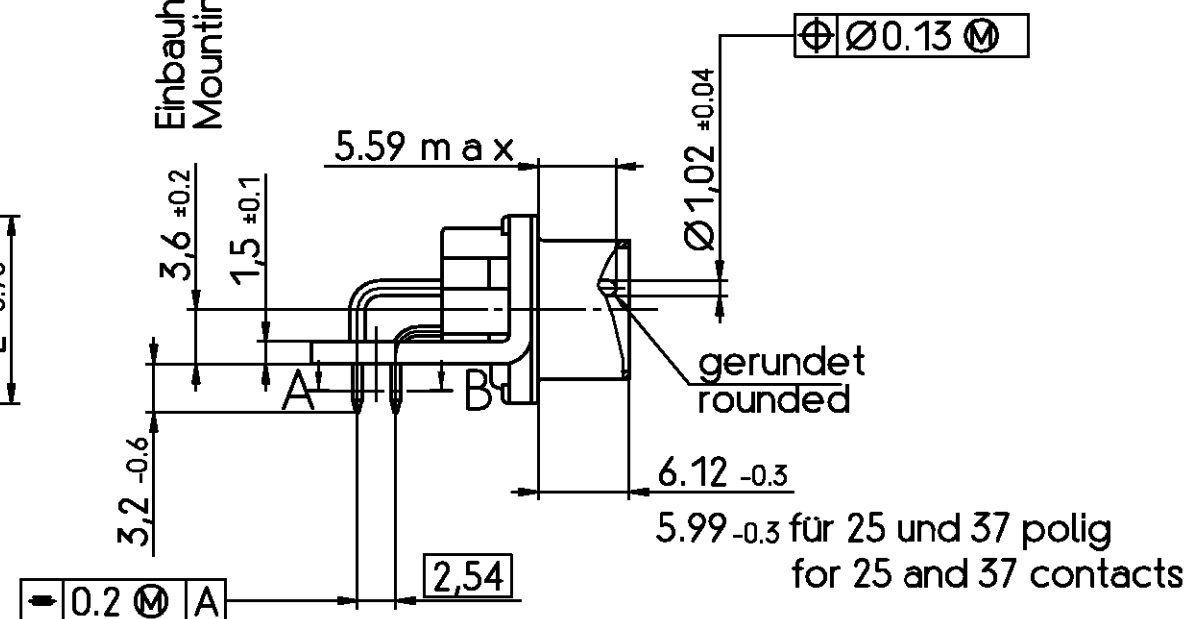


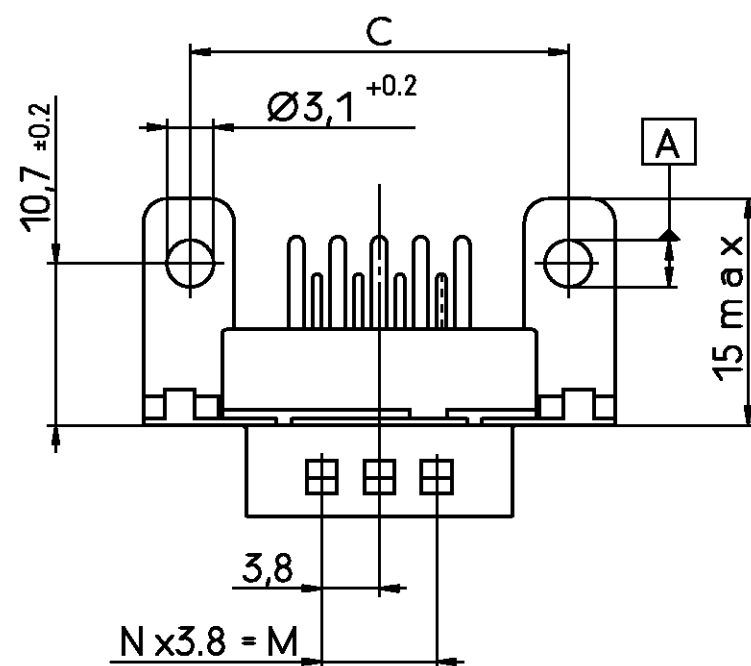
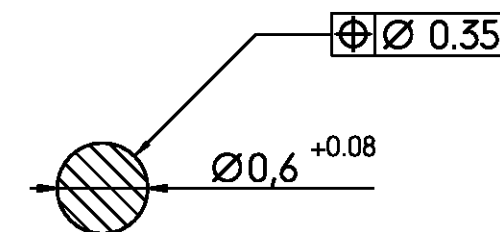
Standardausführung: V23529-Bx121-Cxxx-+
Standardversion



Einbauhöhe
Mounting height



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



Ordercode Sachnr	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}	8.23	12.93	2.74	15.2	4	7.69
..-Cx25-+	25	53.42	38.84	47.04 ^{+0.13} _{-0.13}	8.23	12.93	2.76	26.6	7	7.65
..-Cx37-+	37	69.7	55.30	63.5 ^{+0.13} _{-0.13}	8.23	12.93	2.76	41.8	11	7.65

Anforderungsstufe / Performance level ¹⁾

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

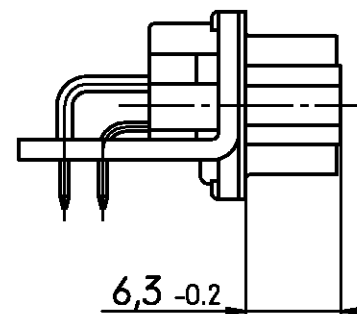
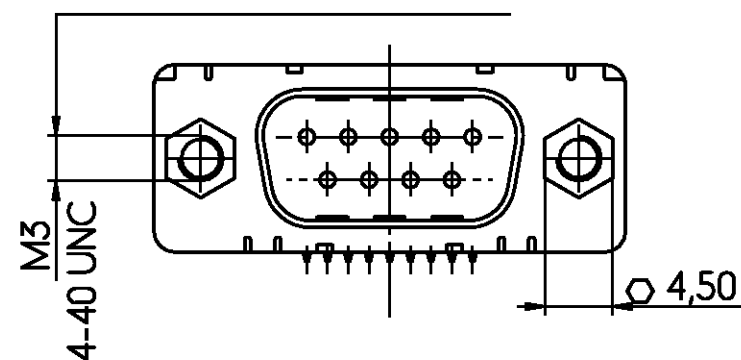
tyco		TYCO ELECTRONICS CORPORATION				SCALE 2:1 (20:1)		WEIGHT	
Electronics		OOSTKAMP - BELGIUM				DIMENSIONS IN MM		MATERIAL	
A3		SR10-0386-02	28 AUG 02	KV	DATE 31.03.89		PART NAME Sub-D 90° Lötanschluss Stiftheile Einbauhöhe 3.6 mm D-Sub 90° solder version pin connector mounting height 3.6 mm		
A2		SR10-0334-02	01 JUL 02	KV	NAME Embo				
A1		SR10-0138-02	04 MAR 02	KV	DEP. PD COM				
A		WO 00/7003	26.05.00	VS	TOLERANCE UNLESS SPECIFIED OTHERWISE		PART NO.		
06		WO97/2518	04.02.97	BTH			V23529-B*****-C*****-7427		
05		WO96/2515	15.04.96	BTH			SHT. 1+		
REV.		CHANGE ORDER	DATE	APP.	Customer Drawing Nr. C 2-1393480-1		OF 6		

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PROPRIETARY:

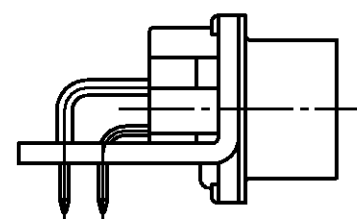
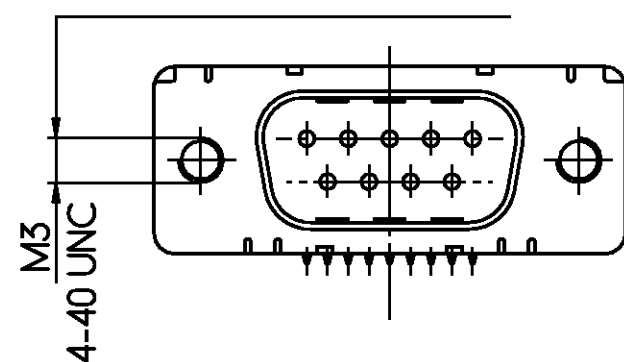
mit Gewindebolzen : M3 V23529-Bxx24-Cxxx-+
with threadlock 4-40 UNC V23529-Bxx25-Cxxx-+

Verdrehsicherheit ≥ 70 Ncm
torsionresistance

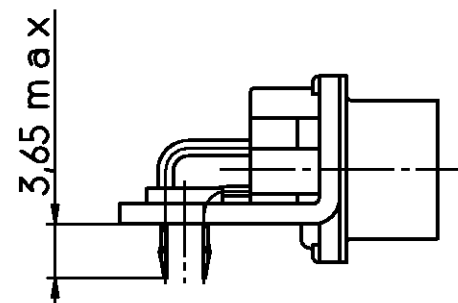
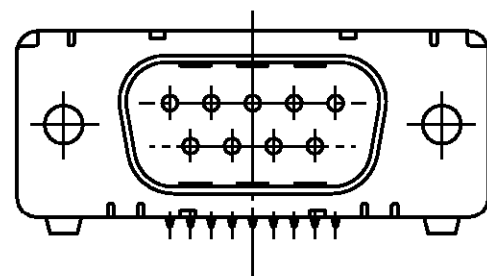


mit Gewinde : M3 V23529-Bxx22-Cxxx-+
with thread 4-40 UNC V23529-Bxx23-Cxxx-+

Verdrehsicherheit ≥ 70 Ncm
torsionresistance

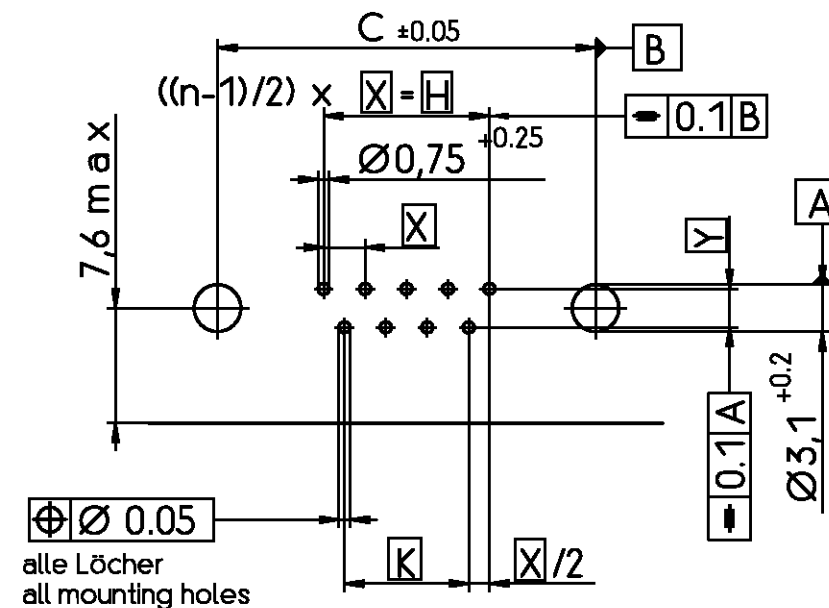


mit Clipbefestigung V23529-Bx22x-Cxxx-+
with snap-in



LP-Dicke 1,6 $\pm 0,13$ mm , Loch $\varnothing 3,1^{+0,2}$
PC-board-thickness 1,6 $\pm 0,13$ mm, Hole $\varnothing 3,1^{+0,2}$

Leiterplattenbohrung
PCB hole pattern

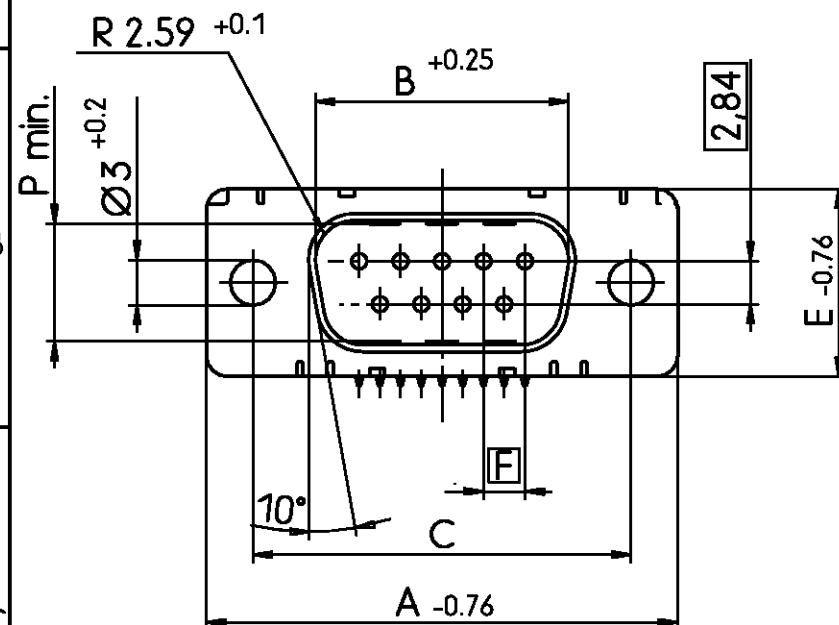


Mass Dimension	Polzahl n Number of contacts n			
	9	15	25	37
C	25	33.3	47.04	63.5
H	10.96	19.18	33.12	49.68
K	8.22	16.44	30.36	46.92
X	2.74	2.74	2.76	2.76
Y	2.54			

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

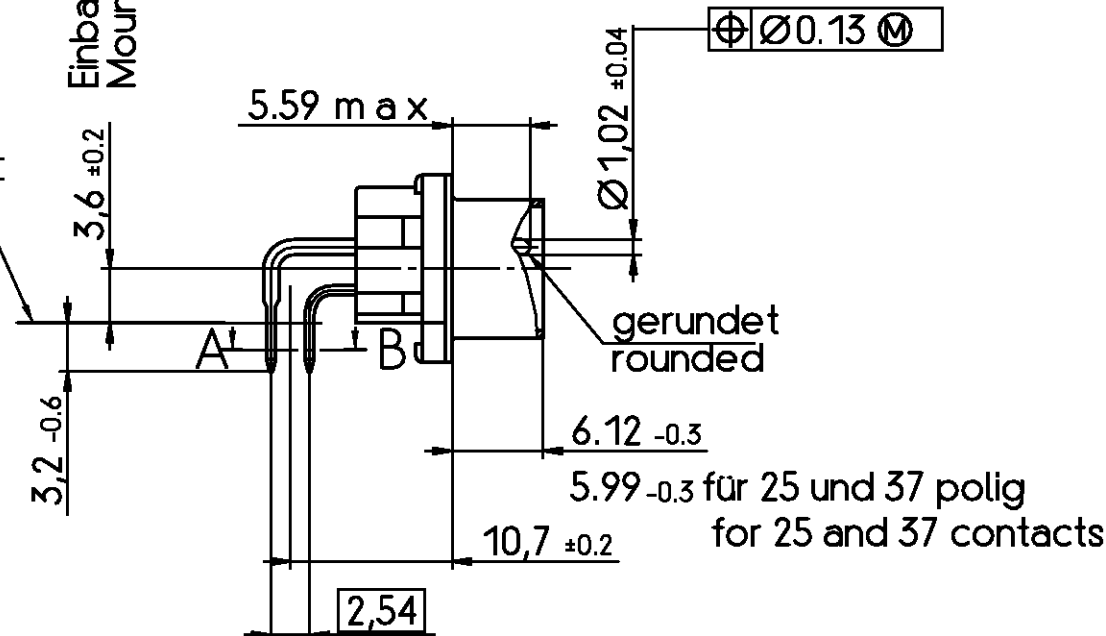
tyco		TYCO ELECTRONICS CORPORATION		SCALE 2:1		WEIGHT	
Electronics		OOSTKAMP - BELGIUM		DIMENSIONS IN MM		MATERIAL	
		DATE 31.03.89		PART NAME		Sub-D 90° Löt Ausführung Stiftleiste	
		NAME Embo		Einbauhöhe 3.6 mm		D-Sub 90° solderversion pin connector	
		DEP. PD COM		mounting height 3.6 mm		PART NO.	
		TOLERANCE UNLESS SPECIFIED OTHERWISE		V23529-B*****-C*****-7427		SHT. 2+	
A3	see page 1	Customer Drawing Nr. C 2-1393480-1				OF 6	
REV.	CHANGE ORDER	DATE	APP.				

Standardausführung ohne Winkel: V23529-B50x1-Cxxx-+
Standardversion without bracket

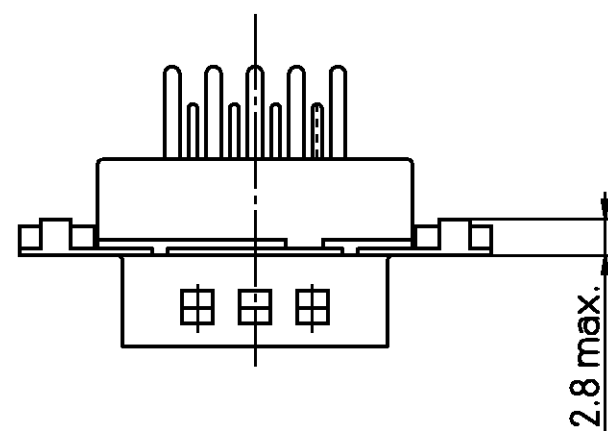
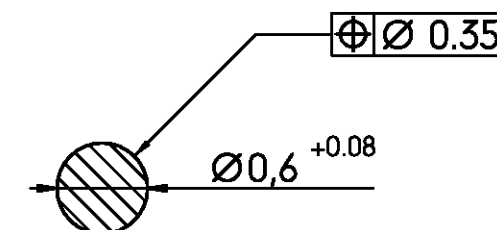


Oberkante LP
upper side PCB

Einbauhöhe
Mounting height



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



Ordercode Sachnr	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}	8.23	12.93	2.74	15.2	4	7.69
..-Cx25-+	25	53.42	38.84	47.04 ^{+0.13} _{-0.13}	8.23	12.93	2.76	26.6	7	7.65
..-Cx37-+	37	69.7	55.30	63.5 ^{+0.13} _{-0.13}	8.23	12.93	2.76	41.8	11	7.65

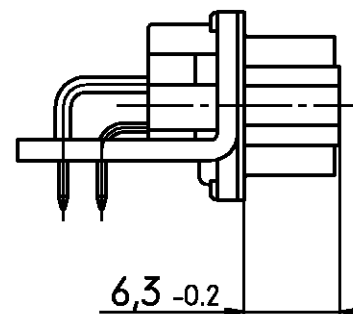
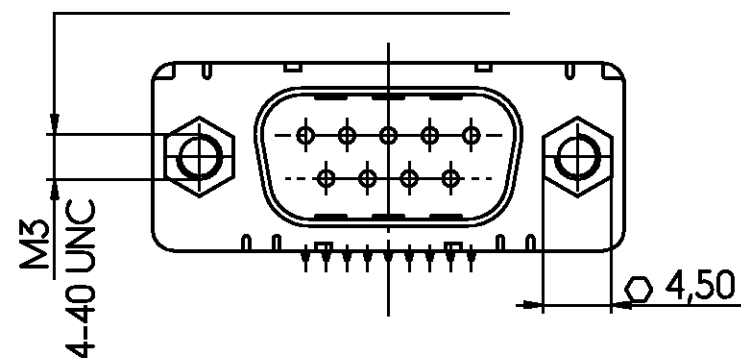
Anforderungsstufe / Performance level ¹⁾

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

tyco		TYCO ELECTRONICS CORPORATION		SCALE 2:1 (20:1)		WEIGHT	
Electronics		OOSTKAMP - BELGIUM		LOC GW		DIMENSIONS IN MM	
		DATE 31.03.89		NAME Embo		PART NAME	
		DEP. PD COM				Sub-D Lötanschluss Stiftleiste	
						Einbauhöhe 3.6 mm	
						D-Sub 90° solder version pin connector	
						mounting height 3.6 mm	
						PART NO.	
						V23529-B*****-C*****-7427	
						SHT. 3+	
A3	see page 1						
REV.	CHANGE ORDER	DATE	APP.	Customer Drawing Nr. C 2-1393480-1		OF 6	

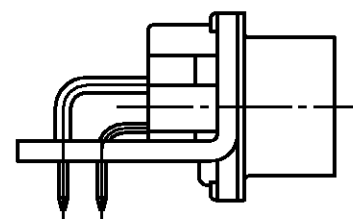
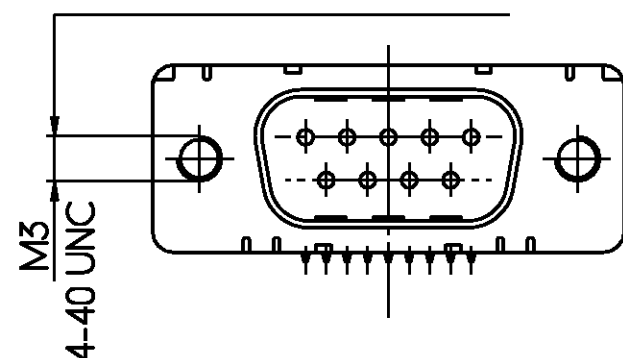
mit Gewindebolzen : M3 V23529-B50x4-Cxxx-+
with threadlock 4-40 UNC V23529-B50x5-Cxxx-+

Verdrehsicherheit ≥ 70 Ncm
torsionresistance

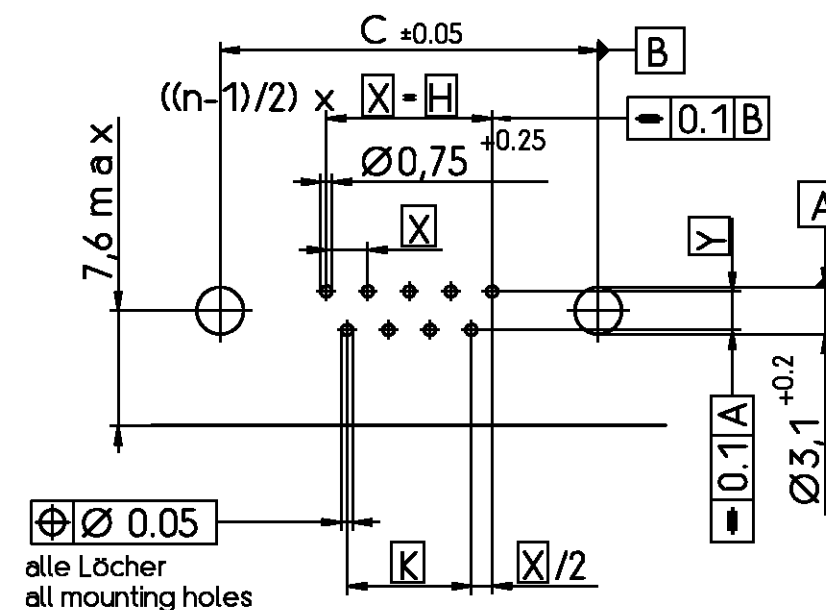


mit Gewinde : M3 V23529-B50x2-Cxxx-+
with thread 4-40 UNC V23529-B50x3-Cxxx-+

Verdrehsicherheit ≥ 70 Ncm
torsionresistance



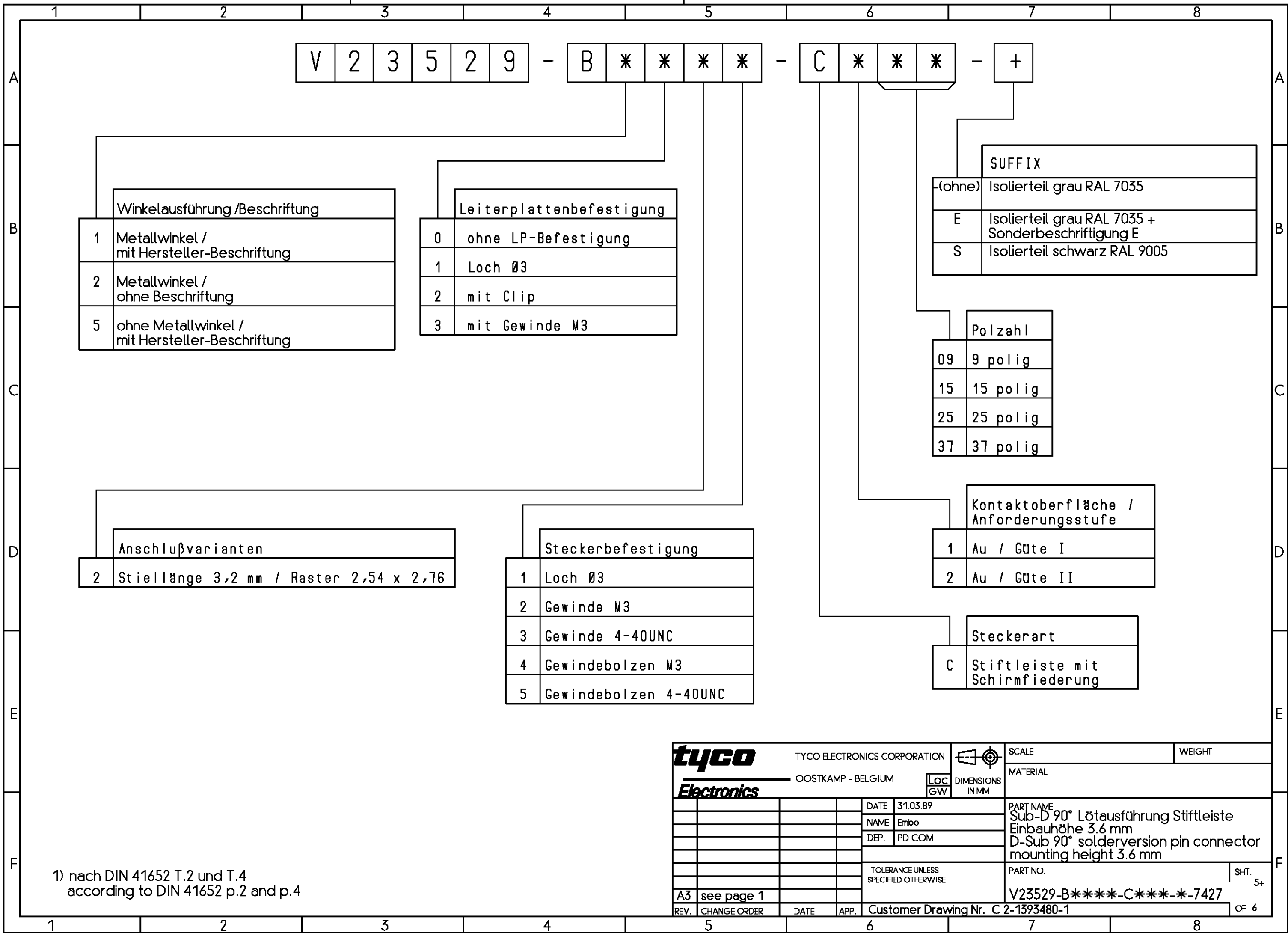
Leiterplattenbohrung
PCB hole pattern



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			

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

tyco		TYCO ELECTRONICS CORPORATION		SCALE 2:1		WEIGHT	
Electronics		OOSTKAMP - BELGIUM		LOC GW		DIMENSIONS IN MM	
		DATE 31.03.89		PART NAME			
		NAME Embo		Sub-D 90° Löt Ausführung Stiftleiste			
		DEP. PD COM		Einbauhöhe 3.6 mm			
				D-Sub 90° solderversion pin connector			
				mounting height 3.6 mm			
		TOLERANCE UNLESS SPECIFIED OTHERWISE		PART NO.		SHT. 4+	
A3 see page 1				V23529-B*****-C*****-7427			
REV. CHANGE ORDER		DATE APP.		Customer Drawing Nr. C 2-1393480-1		OF 6	



1		2		3		4			
Active part numbers. Contact Tyco Electronics for other configuration availability									
A	Old Part Number		Tyco Part Number						
	V23529-B1121-C209		2-1393480-1						
	V23529-B1121-C215		2-1393480-2						
	V23529-B1121-C225		2-1393480-3						
	V23529-B1121-C237		2-1393480-4						
	V23529-B1122-C209		3-1393480-2						
	V23529-B1122-C215		3-1393480-3						
	V23529-B1122-C225		2-1392010-8						
	V23529-B1122-C237		3-1392010-6						
	V23529-B1123-C209		4-1393480-0						
	V23529-B1123-C215		4-1393480-1						
	V23529-B1123-C225		4-1393480-2						
	V23529-B1123-C237		4-1393480-3						
	V23529-B1125-C125		5-1393480-1						
	V23529-B1125-C209		5-1393480-2						
	V23529-B1125-C215		5-1393480-3						
	V23529-B1125-C225		5-1393480-4						
	V23529-B1125-C237		3-1392010-5						
	V23529-B1221-C109		5-1393480-8						
	V23529-B1221-C209		5-1393480-9						
	V23529-B1221-C215		6-1393480-0						
	V23529-B1222-C209		7-1393480-4						
	V23529-B1222-C215		7-1393480-5						
	V23529-B1222-C225		7-1393480-6						
	V23529-B1222-C237		7-1393480-7						
	V23529-B1223-C209		8-1393480-5						
	V23529-B1223-C215		8-1393480-6						
	V23529-B1223-C225		8-1393480-7						
	V23529-B1223-C237		8-1393480-8						
	V23529-B1224-C209		9-1393480-4						
	V23529-B1224-C215		9-1393480-5						
	V23529-B1224-C225		9-1393480-6						
	V23529-B1225-C109		1393481-4						
	V23529-B1225-C209		1393481-5						
	V23529-B1225-C215		3-1392010-3						
	V23529-B1225-C225		1393481-6						
	V23529-B1225-C237		3-1392010-4						
	V23529-B2121-C209		1-1393481-0						
	V23529-B2221-C209		1-1393481-2						
	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		MATERIAL			
				DATE 31.03.89		PART NAME			
				NAME Embo		Sub-D 90° Lötanschluss Stifteleiste			
				DEP. PD COM		Einbauhöhe 3.6 mm			
						D-Sub 90° solder version pin connector			
						mounting height 3.6 mm			
						PART NO.		SHT. 6-	
				TOLERANCE UNLESS SPECIFIED OTHERWISE		V23529-B****-C****-*-7427			
A2 SR10-0334-02		01 JUL 02		KV		Customer Drawing Nr. C 2-1393480-1		OF 6	
A1 SR10-0138-02		04 MAR 02		KV					
A WO 007003		26.05.00		VS					
REV. CHANGE ORDER		DATE		APP.					
1		2		3		4			

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Subminiature and Microminiature D Connectors

Standard Board Mount Connectors

AMP

1393481-5 -- 7 of 9 products

Active

Active

(Tyco Electronics P/N: 1393481-5)

Previous	Next	Sales Information	AMP ACES	Step Search Screen
			Related Documents	General Information
			Pricing	Product Availability

Please use the customer drawing for all design activity.

- Customer Drawing: 2-1393480-1, Rev. A3
Document Title: D-Sub 90° solder pin connector (mounting height 3.6 mm)
[210584.pdf](#) [210584.pdf](#) (222K)

The photographs and/or line drawings below are representative images of a product for viewing purposes only.

SchematicPCB Layout

Searchable Features:		Other Properties:	
Brand:	AMP	Sealed:	No
No. of Positions:	9	Application:	Standard
Gender:	Plug	Profile:	Eurostyle - 3.6 mm Installation Height
PCB Mount Angle:	Right Angle	Post Size (mm [in]):	0.70 [.028]
Mating Connector Lock:	With	Contact Shape:	Round
Mating Connector Lock Type:	4-40 UNC Female Screwlocks	Color:	Gray
PCB Retention Feature:	With	Contact Material:	Copper Alloy
PCB Retention Method Feature:	Boardlocks	Insert Flammability Rating:	UL 94V-0

Shell Type:	Full Metal
Shell Size:	1
Panel Attachment:	No
Grounding Clips:	Without
Footprint (mm [in]):	11.70 [.460]
Termination Post Length (mm [in]):	3.20 [0.126]
PCB Thickness (mm [in]):	1.57 [0.062]
Contact Mating Area Plating:	Gold over Palladium Nickel
Solder Tail Plating:	Tin
Grounding Indents:	With
Grounding Straps:	Without
Product Series:	Type B - Solder Terminal
Color Code:	None
Region:	Americas

Insert Material:	PBTP - Glass Fiber-Reinforced Thermoplastic
Shell Material:	Steel
Shell Plating:	Tin over Nickel
Mounting Bracket(s):	With
Mounting Bracket Insulation:	Without
Comment:	Connectors are preloaded with contacts. With M3 screwlocks on request

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